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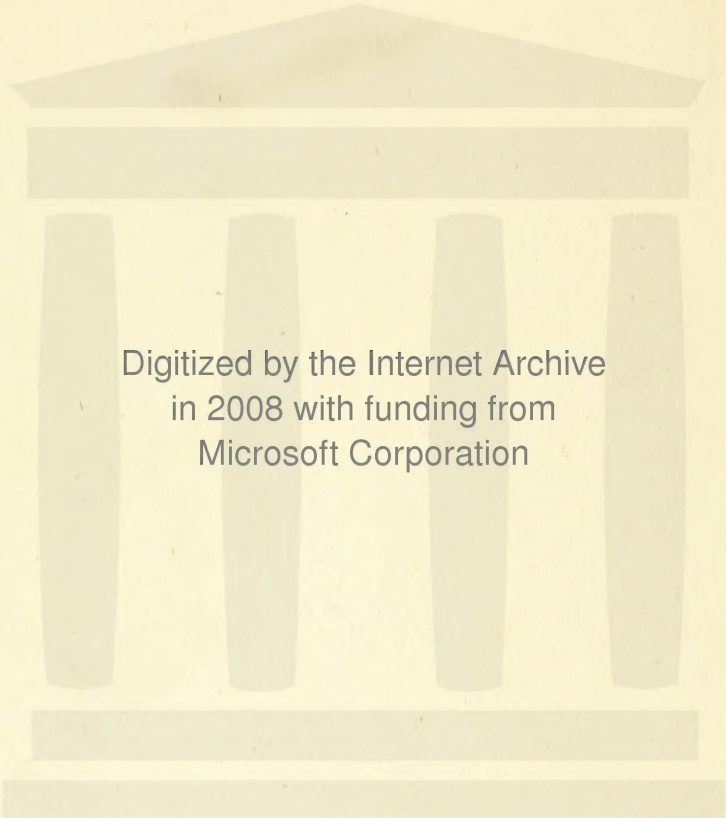
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ACADEMIC CALENDAR, 1919-20.

1919

June 30—High School and University Matriculation Examinations begin.

August 16—Last day for receiving applications for examinations in Medicine, Dentistry and Law.

August 16—Last day for receiving applications for supplemental examinations.

August 16—Last day for receiving applications for September Matriculation at the office of the Chairman of the High School and University Matriculation Examinations Board, Parliament Buildings.

September 16—Autumn Matriculation Examinations.

September 16—Examinations of the College of Physicians and Surgeons of Alberta.

September 16—Examinations of the Alberta Dental Association.

September 16—All supplemental examinations.

September 29—Registration closes.

September 30—Lectures begin.

November 1—Last day for graduate and B.D. students to adjust courses -- submit subject of investigation.

December 24—Christmas vacation begins.

1920.

January 5—Lectures begin.

January 26—Examinations of the Alberta Land Surveyors' Association.

February 18—Ash Wednesday.

April 1—Last day for receiving applications for May Matriculation Examinations.

April 1—Last day for graduate students to hand in report of results of investigations or theses.

April 2—Good Friday.

April 3—Lectures close in Applied Science and Agriculture.

April 6—Examinations in Applied Science begin.

April 15—Survey School begins.

April 16—Lectures close in Arts, Law and Medicine.

April 20—Final Examinations in Arts and Medicine begin.

April 20—Examinations of the College of Physicians and Surgeons of Alberta.

April 20—Examinations in Law begin (Edmonton and Calgary.)

April 20—Examinations of the Institute of Chartered Accountants of Alberta.

April 20—Examinations of the Alberta Dental Association.

April 20—Special examinations of the Alberta Land Surveyors' Association.

April 20—Examinations of the Alberta Architects' Association.

May 9—Charter Day.

May 13—Convocation for the conferring of degrees.

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Organization of the University

HISTORY AND GOVERNMENT

The University of Alberta was created by an act of the Legislature of the Province passed at the first session after provincial autonomy had been granted (1906); that is, the act created the machinery by which the University could be brought into existence. By this act the University, which then consisted of the Chancellor, the Vice-Chancellor, the Senate, and the Convocation, was empowered to undertake the organization and development of the teaching faculties, to affiliate colleges, and, generally, to undertake all work relating to an institution of higher learning. An amendment to the act, passed during the session of the Legislature in 1907, authorized the Lieutenant-Governor-in-Council as a preliminary step to the organization of the University, to appoint the first President, to whom was to be given the responsibility, in conjunction with the Senate, of organizing and developing the university scheme. Acting upon this authority the Government selected the first President, who entered upon his duties on January 1st, 1908.

Under the act, all resident graduates of British and Canadian universities were entitled to become members of the convocation of the University of Alberta by registering before a fixed date. Three hundred and sixty-four graduates, representing all the Canadian and many of the British universities, registered, so that a large and representative body constituted the first convocation.

The act has also provided that the Senate should consist of fifteen members, ten to be appointed by the Government, five to be elected by the members of Convocation from among themselves. The Chancellor likewise was to be chosen by a ballot of Convocation. The voting for the first Senate election closed on March 18th, 1908, and immediately thereafter the Government nominated its ten representatives. Mr. Justice Stuart of Calgary was chosen as first Chancellor.

As the Act made the Senate the governing body of the University, both in relation to education and business management, at the first meeting of that body, on March 30th, 1908, it took all the necessary steps to organize the first faculty, to be known as the Faculty of Arts and Sciences, and to open the University of Alberta for classes in this Faculty

in September, 1908.

At the second meeting of the Senate, held in Calgary, July 6th, 1908, the first faculty appointments were made, four professors being named to co-operate with the President in the work of commencing instruction.

The first session of the University opened on September 23rd, 1908. The total registration for the session was forty-five, four of whom were students taking graduate courses in the Department of Physics.

At the second session of the Second Legislature, November, 1910, a comprehensive measure reorganizing in large part the government of the University was introduced and passed into law. By the new act a Board of Governors was constituted, to consist of the Chancellor and the President of the University, ex officio, together with nine members to be appointed by the Lieutenant-Governor-in-Council; the functions of this Board may be defined generally as those of business management and administration, including the making of appointments to the teaching and office staff of the University, the handling of all University moneys and investments, and the supervision of buildings and grounds. The Senate, by this same act, was continued as a body entrusted with the general supervision of the University's educational work. It is defined by the statute to consist of the Board of Governors, the President, the heads of affiliated colleges, the Deans of the University Faculties, all ex-Chancellors or ex-Vice-Chancellors of the University, the Senior Principal of the Provincial Normal Schools, and the Superintendent of Education for the Province ex-officio; of faculty representatives; of representatives of all societies whose examinations for status are conducted by the University; and of ten members elected by Convocation. The prerogatives of the Senate include the field of student regulation and discipline, the approval of all educational schedules or programmes, and the establishing and conferring of degrees. The Convocation, under this act, is composed of all graduates of the University, and of all resident graduates of British and Canadian universities who registered under the University Act of 1906. The Convocation is empowered to consider all questions affecting the well-being of the University and to make representation thereupon to the Board and to the Senate.

Conformably with the provisions of this act, late in

December, 1910, the Lieutenant-Governor-in-Council appointed nine members of the Board of Governors, who met early in January, 1911, and organized by electing E. C. Pardee, Esq., of Edmonton, Chairman. An election for members of the Senate, in accordance with the terms of the act, was ordered. By March 8th the elective members of the Senate had been chosen, and the new Senate held its first meeting for the transaction of business on March 31st, 1911, completing among other items arrangements for the first graduation exercises of the University. These took place on May 16th, 1911.

During the summer of 1911 Athabasca Hall, the first building of the University scheme to be completed, was made ready for occupation, and lectures were given for the first time on the University grounds in September of that year. At the same time excavations were begun for a second hall of a similar nature. This became available for partial occupation in October, 1912, and in its entirety by the beginning of 1913 under the name of Assiniboia Hall. In the autumn of 1913 the foundations of the third building, Pembina Hall, were laid, and in October 1914 a considerable part of it was ready for use as class-rooms. Eventually it will be used for residential purposes only.

From its very beginning the University of Alberta has undertaken extension work in the form of lectures by members of its staff in a number of important provincial centres, but special emphasis was laid upon this side of the University's activities by the appointment in May, 1912, of a special Secretary of the Department of Extension. This officer undertook the task of systematizing the extension work in such a way as to enable the University to achieve more fully the important function of reaching in its educational work the people of the province at large.

The Department of Extension also inaugurated in 1913 a press bulletin, a system of travelling libraries, and a bureau of information from which literary clubs and debating societies can obtain briefs on issues of all sorts. It organized in the same year a high school debating league which has stimulated very remarkably the interests of the secondary schools of the Province in argumentation and public speaking. A new departure in 1915 was the presentation to Edmonton and Calgary audiences of a series of discussions on the social problems of western Canadian life.

The year 1912 saw another development of the University's activity in the creation of a Faculty of Law; this was effected by a resolution of the Senate under date of October 3rd, upon which the Board of Governors took favorable action shortly afterwards. A three year course leading to the degree of LL.B. was established, and thirty-five students were enrolled for the first session of the new faculty. In 1914 this course, portions of which coincide with the requirements of the Alberta Law Society, was extended to cover four years.

In the autumn of 1913 the Department of Civil Engineering and its allied subjects ceased to form a portion of the original Faculty of Arts and Sciences, and were constituted a new faculty under the name of the Faculty of Applied Science. At the same time the fourth University faculty came into existence, and instruction began in the Faculty of Medicine. Twenty-six students constituted the first class in this faculty, and arrangements have been perfected to carry them through at least three years of a five year course, with the privilege of being then transferred, if necessary, with full standing to certain Eastern universities. Under the Faculty of Medicine a Department of Pharmacy has been organized; instruction in this Department began in October 1914, designed to prepare students to satisfy the requirements of the Pharmaceutical Association of Alberta. Features of interest in connection with the Faculty of Medicine are the University Medical Service whereby the health of all students is supervised in a very direct manner, and the outdoor clinics given at the city hospitals by members of the faculty.

In December 1913 the contracts were let for the construction of what is known as the main teaching building of the University. This fine structure in the neo-classic style ranks high among the university buildings of Canada for the combination it presents of utility and beauty. It was occupied in October 1915, being opened with comparatively simple ceremonies because of the shadow of war which then began to rest so heavily upon the country.

Of the work of the University in the war, record will be made elsewhere; it is fitting however to note here that the University of Alberta sent into various branches of His Majesty's service in all parts of the world 438 undergraduates, alumni, and staff-members. Of these a large number received special military decorations from the British Empire and several also from the French Republic, while to more than

sixty it was given to offer for their country the last measure of sacrifice.

During the long period of the Great War all building activities were suspended, but in May 1919 arrangements were made to proceed with an extension of the then existing civil engineering unit and to duplicate this building by a similar structure at the north end of the main teaching building. It is the expectation that these new units of the university plan will be occupied by classes in October 1919.

In September 1915 the fifth university faculty came into existence when the Faculty of Agriculture, subsequently named the College of Agriculture, was created. The southern end of the university property is largely devoted to the farm buildings and experimental plots of this College, and it became necessary in the spring of 1919 to acquire still more land a short distance south of the university site proper in order to provide further facilities for the study of Animal Husbandry.

Pharmacy, which as above noted began its work as a Department of the Faculty of Medicine in October, 1914, was in the spring of 1917 erected into a School of Pharmacy, designed not only to give instruction in such work as is required by the Pharmaceutical Association of Alberta but also to carry forward to a degree such students as may determine to devote four years of study to the work. In this manner the whole standard of Pharmacy in the Province of Alebrta is distinctly elevated.

Dentistry was authorized as a sub-faculty under the Faculty of Medicine in 1917, and the first students under this arrangement offered themselves in the session of 1918-19. It is proposed for the present that they shall complete their work in eastern schools under equitable arrangements such as have been made for students in the Faculty of Medicine.

In 1918 the Department of Household Economics was organized under the Faculty of Arts and Sciences, the need having already been made clear by a demand fo this work the previous session. In the fall of 1918 also special recognition was accorded the physical needs of the rapidly growing body of women students by the appointment of a Directress of Physical Education for Women.

In the fall of 1918 the College of Agriculture lent itself most heartily to the pressing demands of reconstructional

education by offering courses of a special nature in various agricultural lines and also in carpentering and blacksmithing. A large number of returned soldiers were in this way most satisfactorily accommodated, and it is expected that this wok will be continued during several years to come.

The insistent demands of the economic and social problems of the province were recognized by the creation in the spring of 1919 of chairs of Soils, Mining Engineering, and Economics, in all of which a full measure of work will be given in the fall of 1919. All of these subjects had previously been handled as branches of already existing departments but with the recognition of their growing importance came the decision to treat them as independent units of the educational scheme.

Matriculation.

CLASSIFICATION OF STUDENTS

The courses of study in the University are open to men and women on equal footing.

Except under special circumstances no student under sixteen years of age will be admitted to the first year, or under seventeen to the second year.

Students are classified as Graduate, Undergraduate, Conditioned, Partial and Special.

Graduate students are those who hold the Bachelor's degree (B.A. or B. Sc. in Arts) and are either pursuing special studies in advanced courses, or have been formally admitted upon the recommendation of the Committee on Graduate Studies, to candidacy for the Master's degree.

Undergraduates are matriculated students who are taking a full undergraduate course leading to a degree. In order to become undergraduates, candidates must have passed the full matriculation examination of the University or some other equivalent examination.

Conditioned students are those who, not having completed their matriculation examination are, by permission of the Faculty Council, actually taking a full undergraduate course leading to a degree, and are entitled to obtain undergraduate standing on completing their matriculation. The admission of a candidate failing in any part of his matriculation examination shall be at the discretion of the Faculty Council.

For students who are deficient in the language subjects and are admitted as conditioned students, special preparatory classes are provided. Students are advised, however, that the additional work required in carrying these preparatory classes constitutes a handicap which should be avoided if possible.

Partial students. Students who are proceeding to a degree but who are not registered for a full undergraduate course, or who during the session drop two courses, are partial students.

Special students are those who, not belonging to one of the above classes of students, are pursuing the study of particular subjects. Such students may, subject to the approval of the Faculty Council, attend classes without previous examination.

MATRICULATION EXAMINATIONS

Examinations for entrance to the University are conducted three times each year, in April, June and September, under the control of the High School and University Matriculation Examinations Board. The subjects of examination follow. Applications for these examinations should be made about two months before the date of examination to the secretary of the High School and University Matriculation Examinations Board, Department of Education, Government Buildings, Edmonton.

MATRICULATION SCHOLARSHIPS

In 1920 there are offered eight scholarships of $25 each, given by the Senate and the Board of Governors of the University.

Six of these scholarships will be awarded on the results of the June examinations set by the High School and University Matriculation Examinations Board. The other two scholarships will be awarded on the results of the April examinations held for the affiliated colleges. One of these scholarships is available for those candidates taking the examination in Edmonton, the other for those in Calgary. Only those candidates who write on the whole of the matriculation examination and pass in each subject thereof will be eligible for these scholarships.

The Women's University Club Scholarship of $25.00 is open to women students only on the results of the June Grade XI (Matriculation) examinations for highest standing in English, History, Latin and French, provided the student passes her other examinations and obtains an average mark of not less than 75% in the four subjects named. The scholarship is payable after the student is in actual attendance at the University.

EQUIVALENT EXAMINATIONS

The Grade IX certificate of Alberta is accepted in the subject of British History, the Grade X certificate in the subjects of English Grammar and Canadian History, the Grade XI certificate pro tanto for the other subjects of matriculation and the Grade XII certificate pro tanto for first year courses in the University. Requests for exemption from the matriculation examination based on these or other certificates should be addressed to the Registrar, University of Alberta.

ADVANCED STANDING

Any student of another university wishing to be admitted to this university with equivalent standing is requested to send with his application:

1. A calendar of the university in which he has studied.
2. A complete statement of the course of study he has followed.
3. A certificate of standing and conduct from the university in which he has studied.

MATRICULATION EXAMINATION REQUIREMENTS

A.—For those not presenting Grade IX and X certificates.

I.—For those intending to take the B.A. course:

1. **English Grammar.**
2. **English Composition.**
3. **English Literature.**
4. **British and Canadian History.**
5. **History.** (General and Canadian Constitutional.)
6. **Arithmetic.**
7. **Algebra.**
8. **Geometry.**
9. **Latin.**

10 and 11. Two of the following: **French, German, Greek, Elementary Science (Physics or Chemistry or Agriculture.)**

II.—Those entering upon other courses are required to pass in subjects 1 to 8 inclusive, but there are certain variations in the remaining subjects, as follows:

For B.Sc. in Arts.—Any two foreign languages and an elementary science.

For B.Sc. in Engineering.—French or German, Physics, Chemistry and Grade XII Mathematics (Algebra, Geometry and Trigonometry.)

For B.Sc. in Architecture.—French and Physics, and certain original drawings (details on application.)

For M.D., or D.D.S.—Latin, Chemistry, Physics and either French or German.

For LL.B. or Articles in Law.—The same as for B.A.

For B.Sc. in Pharmacy.—Latin, Chemistry and Physics.

For information regarding requirements leading to the degree of B.S.A., a license in Pharmacy or to a diploma in Accountancy apply to the Registrar of the University.

B.—**For those presenting Grade IX and X certificates.**

I.—For those intending to take the course leading to the degree of B.A., B.Sc. in Arts, or LL.B.:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra.**
5. **Geometry.**
*6. **Latin, or Greek or French or German.**

7 and 8. Two of the following: **Physics, Chemistry, Agriculture,** a second foreign language selected from No. 6.

II.—For those intending to take the B.Sc. course in Engineering:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra. Grades XI and XII.**
5. **Geometry, Grades XI and XII.**
6. **Trigonometry.**
7. **French or German.**
8. **Chemistry.**
9. **Physics.**

III.—For those intending to take the B.Sc. course in Architecture:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra.**
5. **Geometry.**
6. **French or German.**
7. **Physics.**

*Any two of these are to be taken, but candidates not presenting Latin for Matriculation will be required to take Latin 31 and 32 as a first year subject.

Students entering the Architectural Course are also required at the beginning of the session to submit to the head of the department drawings of plant or other common forms drawn from actual objects.

IV.—For those intending to take the M.D. course, or the course in Dentistry:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra.**
5. **Geometry.**
6. **Latin.**
7. **Chemistry.**
8. **Physics.**
9. **French or German.**

V.—For those intending to take the course for the degree of B.Sc. in Pharmacy:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra.**
5. **Geometry.**
6. **Latin.**
7. **Chemistry.**
8. **Physics.**

The conditions of apprenticeship may be obtained from the registrar of the Alberta Pharmaceutical Association.

VI.—For those intending to take the course for the diploma in Acountancy:

1. **English Composition.**
2. **English Literature.**
3. **History.** (General and Canadian Constitutional.)
4. **Algebra.**
5. **Geometry.**
6. **French** or **German** or **Latin** or **Greek.**

7 and 8. Two of the following: **Physics, Chemistry, Agriculture,** a second foreign language selected from No. 6.

For the Primary examination of the Institute of Chartered Accountants of Alberta subjects 6, 7 and 8 are not required. Write to the Registrar for special Bulletin of Information.

VII.—Those intending to take the course in the Faculty of Agriculture are required to present the Certificate of Qualification from a Provincial School of Agriculture, or its equivalent.

DETAILS OF MATRICULATION SUBJECTS

English Composition.

Essays based chiefly on subjects chosen from the texts prescribed for collateral reading. Text Book: Ontario High School English Composition (Copp, Clark Co.).

English Literature.

Every candidate is required to pass an examination based on the following texts. Precise knowledge of the subject matter and a reasonable acquaintance with form will be expected.

Poetry. Shakespeare. Coriolanus.

Tennyson: Gareth and Lynette, or Lancelot and Elaine.
Selected Lyrics (Palgrave's Golden Treasury).
"I met a traveller from an antique land." (Shelley).
"Milton! thou shouldst be living at this hour." (Wordsworth).
"Earth hath not anything to show more fair." (Wordsworth).
"My heart aches, and a drowsy numbness pains." (Keats).
"Ruin seize thee, ruthless King!" (Gray).
"Hail to thee, blithe spirit." (Shelley).
"Ye banks and braes o' Bonnie Doon." (Burns).
"Waken, lords and ladies gay." (Scott).
"I am monarch of all I survey." (Cowper).
"There was a time when meadow, grove and stream." (Wordsworth).

Note:-Choice selections from the above poems should be memorized.

Prose. Macaulay: Clive.

Austen: Pride and Prejudice.

Collateral Reading:
Lytton: Last of the Barons.
Butler: Life of Gordon.
Goldsmith: She Stoops to Conquer.

History. *(1) British and Canadian.—The outlines of

*Candidates who present Grades IX and X certificates may omit the paper on the outlines of British and Canadian History.

British History with special reference to the period subsequent to 1485; outlines of Canadian history with special reference to the period subsequent to 1759; Dominion, Provincial and Municipal Civics. Text books: Buckley and Robertson, High School History; Duncan, The Canadian People; Jenkins, Canadian Civics (Alberta Edition).

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(2) General and Canadian Constitutional.—General history to the close of the medieval period; constitutional history of Canada. Text Books: Myers, General History, revised edition; Bourinot, How Canada is Governed.

Algebra.—Elementary graphs and their application to represent a point on a line, a point on a plane, an algebraic expression, a linear equation involving two unknowns; square and cube roots; theory of indices; surds; quadratics; equations of the second degree involving one and two unknowns; problems involving quadratics; character of the roots and coefficients of a quadratic equation and problems to illustrate these relations. Text Book: C. Smith, Elementary Algebra.

Geometry.—Books III, IV and V. Propositions 4—8 (inclusive) of Additional Propositions. Exercises and review. Text Book: Baker, Theoretical Geometry for Schools.

Trigonometry.—Text Book: Hall and Knight, Elementary Trigonometry, Chaps I—XV (inclusive); Chap. XVI, omitting sections 194—197; Chap. XVIII, omitting sections 219—235; Chap. XIX; Chap. XXI, omitting sections 267—275.

French.—Grammar. Review work of preceding grades; all irregular verbs; Lessons XXXVI—LXXXVI (pp. 82-160). Text Book: Fraser and Squair, Ontario High School French Grammar.

Reading and Composition. Translation of the prescribed French Literature; translation at sight of passages of average difficulty from texts not prescribed; simple written composition; special emphasis on oral composition. Text Book: Labiche & Martin, Le Voyage de Monsieur Perrichon.

The examination in French will consist of a written examination; one paper on Authors, Sight Translation and Grammar, and an oral test including dictation based on the prescribed readings. Of the total marks for the subject, 25% will be based on the oral test, 25% on translation, and 50% on grammar and written composition.

German.—Grammar. Review work of preceding grades and cover remainder of text book. Text Book: Collar, First Year German.

Reading and Composition. Translation of the prescribed literature: translation at sight of passages of average difficulty from texts not prescribed; simple written composition and special emphasis on oral composition. Text Book: Drei Kleine Lustspiele (Der Process and Einer muss heiraten).

The examination in German will consist of a written test in Grammar and Composition; a written test based on the prescribed Authors and Sight Translation, and an oral test in Conversation and Dictation. Of the total marks for the subject, 25% will be based on the oral test, 25% on translation, and 50% on Grammar and Composition.

Greek. (a) Grammar. The examination in this part of the work will be designed chiefly to test the student's mastery of Greek accidence.

(b) Composition. Short English sentences for translation into Greek, involving the more common idioms of Greek prose.

(c) Literature. Anabasis I, Chapters 1—5 inclusive; Macmillan's Elementary Classics.

Sight translation from easy narrative prose.

Questions on the subject-matter of the text prescribed.

Latin.—Grammar and Composition. Text Book: Robertson and Carruthers, Ontario High School Latin Book.

Literature—Caesar. Bellum Gallicum, Book IV, Chapters XX-XXXVIII; Book V. Chapters I-XXIII.

Virgil, Aeneid, Book I, lines 1-512.

The examination in Latin will consist of two papers, one on the Authors and Sight Translation, the other on the Grammar and Composition. One-third of the marks for the former paper will be assigned to Sight Translation.

Chemistry.—Text Book: Mill, Chemistry for Schools, (Gage). As in the prescribed text. The course shall be conducted experimentally as far as possible.

Physics.—Text Book: Merchant and Chant, The Ontario High School Physics, Chaps. 18—23 (inclusive), Chapters 32—39 (inclusive), Chaps. 41-48 (inclusive) and Chap. 50.

Agriculture.—"The course in Agriculture for Grade XI." For syllabus apply to the Registrar.

Algebra, Grade XII.—Text Book: C. Smith, Elementary Algebra.

Geometry, Grade XII.—Baker, Theoretical Geometry, propositions 12—25 (inclusive) of Additional Propositions omitting proposition 17. Exercises.

Baker, Analytical Geometry, Chaps. I and II; Chapter III omitting sections 28—29; Chapter V omitting sections 39—46. Exercises.

UNDERGRADUATE SCHOLARSHIPS, PRIZES AND MEDALS

SCHOLARSHIPS.

The Women's University Club (formerly the Alberta Women's Association) Scholarship. The Scholarship, of the value of $50, will be awarded to the woman student who takes the highest standing in the work of the First Year of the Faculty of Arts and Sciences, provided that, to secure the award, an average of not less than seventy-five per cent. be obtained on the work of the year. Further, the award will be contingent upon the student's proceeding with the work of the second year and will be paid only after the student has been in actual attendance in the second year of her course.

The Scholarships of the College of Physicians and Surgeons of the Province of Alberta.

These are five in number and will be awarded as follows:

1. One to the student taking the highest average mark in the work of the freshman year.
2. One to the student taking the highest average mark in all courses in pure Physiology of the second and third years.
3. One to the student taking the highest average mark in all the courses in Anatomy of the second and third years.
4. One to the student taking the highest average mark in Surgery at the end of the fifth year.
5. One to the student taking the highest average mark in Medicine at the end of the fifth year.

PRIZES

The Jane Alexander Memorial Prizes.

These are offered annually by Professor W. H. Alexander, in memory of his mother.

The subjects are:—

(1) Latin Prose Composition and Latin Sight Translation (by special examination);

(2) Geology, on the basis of the regular tests and examinations in Geology 51 and 52.

Prize in Botany, offered by Frank G. Bowers, Esq., for field work in Biology 1, under the following conditions:—

(1) Only students who have attended Biology 1 and are entering one of the senior courses in Botany may compete.

(2) The prize is offered for the best collection, mounted and named, of plants in the Province.

(3) The collection must be made during the summer succeeding the session in which Biology 1 has been taken.

(4) Opportunity will be given during the early part of the succeeding session for naming plants in the collection.

(5) The collection must be in the hands of the Head of the Department by the end of the year.

(6) Each species must be accompanied by a slip containing the following information:

(a) Exact locality.

(b) Kind of soil on which the plant was growing.

(c) Types of vegetation among which the plant occurred.

(7) The collection must be accompanied by a description of the vegetation associations of the district in which the collection was made, on the basis of instruction given in Biology 1.

The Gordon Stanley Fife Memorial Prize, offered by Assistant-Professor A. L. Burt, in memory of his colleague and to be awarded to the graduating student who has taken the highest average mark in two or more Senior History Courses.

Prize in the History of Medicine, offered by Dr. H. C. Jamieson for an essay on some phase of the earlier development of Anatomy or Physiology.

The Harold Waldo Huestis Memorial Prize. A prize to the value of $25, to be awarded at the spring Convocation each year to the second year student, taking five full courses, who has obtained the highest mark in English of the second year, provided that the student has displayed marked proficiency in English composition.

The Bennett Prize. A first prize of $60 and a second prize of $40 open for competition to all students in the University and affiliated colleges except those of graduate standing. The award of these prizes is based upon:

(a) An essay on a prescribed body of material having to do with intelligent and effective Canadian citizenship.

(b) An examination (for which only those who have written the essays are eligible) on a part or all of the material described in section (a).

A representative committee of five members will be appointed to select the topic for the essay, to prescribe the reading, to set the examination and to act as judges in making the award.

For details for the current session apply to the Registrar.

Prizes in Mathematics, of the value of $10 each, offered by Dr. E .W. Sheldon and Mr. C. E. Race:

(1) A prize open to students taking both Mathematics 1 and Mathematics 7, the award being based on the marks made in both subjects as well as in a special problem paper.

(2) A prize for those students in Mathematics 1 who are not taking Mathematics 7, the award to be based on the marks in Mathematics 1 and in a special problem paper.

The Samuel Richard Hosford Memorial Prize. A prize of books valued at $15 to be awarded to the undergraduate student making the best record in English 53.

MEDALS.

1. **The Governor-General's Gold Medal,** offered by His Excellency the Duke of Devonshire for the highest standing in the two senior years of the Faculty of Agriculture.

2. **The Charles Allan Stuart Gold Medal,** offered by the Hon. Mr. Justice Stuart, Chancellor of the University, and open for competition to students in the graduating year, reading for honors in the Department of Classics.

3. **The Alexander Cameron Rutherford Gold Medal,** offered by the Hon. A. C. Rutherford, LL.D., and open for competition to students in the graduating year, reading for honors in the Department of English.

4. **The Women's University Club Gold Medal,** offered by the Women's University Club of Edmonton, and awarded to that student in the graduating class of the Faculty of Arts and Sciences, general course, who takes the highest standing in the eight senior courses required in the third and fourth years ,provided that an average mark of not less than seventy-five per cent. be obtained.

5. **The John A. McDougall Gold Medal** offered by John A. McDougall, Esq., and awarded to the student taking

the highest standing in the senior courses required in the last two years in Applied Science, provided, however, that an average mark of not less than seventy-five per cent. be obtained.

6. **The Lieutenant-Governor's Gold Medal** for the study of Shakespeare.

This medal is open for competition to students in any department of the University and in any one of the affiliated colleges, but not to students of graduate status. The award is based upon:

(a) An examination upon a small group of Shakespeare's plays, the titles to be announced in each spring for the ensuing year.

(b) An essay on a subject selected by a representative committee nominated by the President of the University.

For 1919-20, the plays under (a) are: "Romeo and Juliet," "Hamlet," "Macbeth," and "Othello." The essay subject under (b) for 1919-20 is: "A Study of Shakespeare's Methods of Dramatization by Means of a Comparison of Romeo and Juliet with its Source." For 1919-20 the Committee consists of Professor Broadus and Dean Kerr (to retire 1920); Professor Coar and Assistant Professor Gordon (to retire 1921).

8. **The Chief Justice's Gold Medal,** offered by the Honorable Horace Harvey, Chief Justice of Alberta, for highest standing in the work prescribed for the LL.B. degree.

GRADUATE FELLOWSHIP

THE LLOYD HARTNOLL BISHOP MEMORIAL FELLOWSHIP IN ENGLISH LITERATURE

A fellowship in English Literature has been founded by E. T. Bishop, Esq., to be known as the Lloyd Hartnoll Bishop Memorial Fellowship, and to be conferred on the graduating student who, during his undergraduate course, has shown unmistakable evidence of literary ability. The present emolument of this Fellowship is $200.00. Attention is called to the fact that this is a special award and not necessarily given each year.

THE RHODES SCHOLARSHIP

In addition to the preceding Scholarships, Prizes and Medals which are under the control of the University of Alberta, there is also available for the Province of Alberta each year one Rhodes Scholarship. The permanent committee of selection for the Province of Alberta is as follows:

His Honor, the Lieutenant-Governor, Chairman.
The Honorable, the Chief Justice of the Province.
The Honorable, the Minister of Education.
The Chancellor of the University of Alberta.
The President of the University of Alberta.
Secretary of the Committee, D. S. MacKenzie, Edmonton.

Candidates must be at least in their sophomore year at a recognized degree-granting university or college of Canada, and (if elected) must complete the work of that year before going into residence at Oxford. Competitive examinations are held under the auspices of the provincial committees. There will be three scholars elected for Alberta in 1919, and one in 1920. Each scholarship is tenable for three years, with a stipend of £300 per annum.

The following graduates of the University of Alberta have obtained this scholarship:

1913—Walters Farrell Dyde.
1915—Henry Grattan Nolan.

UNIVERSITY REGULATIONS

I.—FEES.

I.—In Arts (including degree courses in Pharmacy and Household Economics):

(a) Undergraduates and Conditioned Students:

Matriculation Fee	$ 5.00
Instruction per Session	20.00
Students' Union (compulsory)	6.00

(b) Special Students:

Registration Fee	$ 2.00
Instruction per session per course	6.00
*Students' Union (compulsory)	3.50

II.—In Applied Science:

(a) Undergraduates and Conditioned Students:

Matriculation Fee	$ 5.00
Instruction per session, first and second years	40.00
Instruction per session, in subsequent years	60.00
Students' Union (compulsory)	6.00

(b) Special Students:

Registration Fee	$ 4.00
Instruction per session, per course	12.00
*Students' Union (compulsory)	3.50

III.—In Law:

Instruction per session	$10.00
Examination Fee	10.00
*Students' Union (compulsory for students in attendance)	6.00

IV.—In Medicine and Pharmacy (Licensing Course):

Instruction per session, first year	$50.00
Instruction per session, in subsequent years	75.00
*Students' Union (compulsory)	6.00

V.—In Accountancy:

Instruction per session (Intermediate course)	$25.00
Instruction per session (Final course)	50.00

VI.—In Agriculture (including the three year course in Household Economics):

(No fee for instruction for the present)	
Students' Union (compulsory)	6.00

VII.—Medical service fee (required of all students) . . 3.00

VIII.—Caution Money: Every student is required to deposit $5.00 caution money to cover damages done to furniture, apparatus, books ,etc. This amount, less any necessary deductions, will be returned at the end of the session. Break-

ages exceeding this amount must be paid for before the student is permitted to take any examination.

IX.—For Room and Board in the Residences:

Room, per month	$10.00
Board, per month	25.00
X.—For viséing Certificates	2.00
XI.—For Certificate of Class Record	1.00
XII.—For Supplemental Examinations:	
Each subject	3.00
XIII.—For Degrees (whether in course or ad eundem):	
B.A.	$5.00
B.Sc. in Arts	5.00
B.Sc. in Applied Science	10.00
M.A.	10.00
M.Sc.	10.00
M.D.	10.00
LL.B.	10.00
B.S.A.	10.00
B.D.	10.00

* Special students taking two full courses in the University have at registration the option of paying the full Union fee of $6.00, entitling them to full voting privileges.

II.—REGISTRATION

All persons desiring to take courses in the University must register before being regularly enrolled. Registration may take place on and after the first day of March, and should be completed by the student in person on or before the 29th day of September 1919. Students registering for the first time are requested to fill out an application form and submit it along with their certificates for consideration early in September, or sooner if posible. Students applying for registration after the sixth day of October will be permitted to register only upon satisfying the Examinations Committee as to the validity of their reasons for late entrance, and as to their ability to proceed with their courses. Registration forms are to be filled in by the students and passed upon by the Registrar. Students are required to register for courses in which they are deficient before registering for other courses. The Faculty Councils reserve the right to adjust courses to meet the requirements of the time-table. When the programme of work for which a student is seeking registration has been approved, he may obtain his cards of admission through the Treasurer's office on payment of the proper fees. The stu-

dent must present one of these cards to each of his instructors in order that his name may be placed upon the class record.

III.—ATTENDANCE AND LATENESS

(a) Regular and punctual attendance at lectures and laboratory periods is required of each student. No student will be permitted to take the final examination in any course if his absences exceed ten periods in courses of three periods a week throughout the session, six periods in courses of two periods a week, or four periods in courses of one period a week.

(b) Students desiring to present excuses for absence on the ground of sickness or physical disability must, within one week of the date when that absence occurred or when the period of absence terminated, report their wish to the Registrar. This officer will promptly forward to the head of the University medical service the names of such students and the dates for which they claim exemption, and upon the endorsation of this claim by the proper authority such excuses will be filed to constitute part of the year's attendance record. No other form of excuse in regard to sickness or physical disability can be accepted.

Excuses for absence on the ground of domestic affliction must be presented to the Registrar direct and also within one week as above specified. Any other excuse which a student cares to present must be made within the same time limit to the Registrar in person, and the judgment of that officer upon its validity shall be final, subject to an appeal to the General Faculty Council.

Students who are late for any lecture or university exercise will be marked absent upon the records of the instructor in charge, unless at the end of the period in question they account satisfactorily to the instructor for their lateness, (in which case he will, without destroying the mark of absence indicate his acceptance of the excuse by making an x over the a). The decision of the instructor shall be final, subject only to an appeal to the Committe on Examinations.

(c) Students desiring leave of absence in any given course must communicate their desire to the Registrar. When such leave of absence has been granted the student is exempted from the operation of the attendance rule in section (a) above.

IV.—EXAMINATIONS

The University examinations are conducted by a University Examining Board appointed by the Senate and are

under the direction of the Committee on Examinations.

1. Sessional Examinations.

(a) In junior courses, as a rule ,there are held two one-hour tests and one final examination. Fifteen per cent. of the whole credit in the course is assigned to each test. Tests in junior courses take place during the seventh week and fourteenth week of the academic year.

In English 1, however, and in the composition courses in French, German, Greek and Latin, tests are replaced by weekly exercises throughout the year, and to these exercises is assigned fifty per cent. of the whole credit in the course. The same arrangement exists with regard to junior couses in Mathematics and in Physics 1, where regular weekly exercises and short problem papers supplement the normal test papers.

(b) In some senior courses the test examination method is followed; under this arrangement tests fall during the last week of lectures in December and the third week in February, and fifteen per cent. of the whole credit in the course is assigned to each test. In other senior courses the assignment of thirty per cent. for term work is allotted to essays and practical examinations. Announcement is made at the beginning of the session as to the policy to be pursued by each department in this respect.

(c) In each course there is held a final examination. Seventy per cent. of the whole credit in the course is assigned to this examination, except in the case of certain junior courses referred to in paragraph (a) where the allotment is fifty per cent. only. The final examinations are held at the end of the session except in courses completed before Christmas; in such courses the final examinations are held during the last week of lectures in December. In these courses the allotment of marks is seventy per cent. to the final examination and thirty per cent. to the test.

(d) When a student is absent from a test his mark for that test is zero. However, in case of illness or domestic affliction an application for aegrotat standing will be considered if such application is made immediately, in writing, to the Registrar.

(e) When intercollegiate games or conferences fall within any period of tests, members and officers of the teams and official delegates to conferences shall, at least one week before the beginning of the test period, make a request in writing to the Registrar in order that a readjustment of the time-table may be considered.

(f) In the publication of standing in the various courses, students are grouped by classes, the first class comprising those who have obtained eighty-five per cent. and over, the second class those who have obtained between sixty-five and eighty-four per cent., and the third class those who have obtained between fifty and sixty-four per cent. Fifty per cent. is the minimum for a pass.

2. Supplemental Examinations.

Supplemental examinations are conducted by the University in September of each year for students who have failed in any course the preceding year, but whose attendance record was satisfactory and whose final average was at least 30%. In reckoning standing for a supplemental examination the credits already obtained in the tests will apply as described above under Sessional Examinations. Students neglecting to take or failing to pass the supplemental examination are required to repeat the course. A fee of $3 is charged for each of these supplemental examinations. For any special examination granted by a Faculty Council to be held at any other time than the regular date for supplemental examinations a fee of $10 is charged for the first subject and $5 for each additional subject taken at the same time. All applications for permission to take supplemental examinations must be made in writing to the Registrar, and in the case of the regular supplemental examinations must be received not later than August 16. Special provision is made for supplemental examinations for students in the Faculty of Agriculture, at the beginning of their session.

V.—PROFESSIONAL EXAMINATIONS

Either by statutory provision or by agreement the examinations for the right to secure registration with the following professional societies in the Province of Alberta are under the control of the University:—

The Alberta Land Surveyors' Association.
The College of Physicians and Surgeons of Alberta.
The Alberta Dental Association.
The Alberta Association of Architects.
The Law Society of Alberta.
The Alberta Pharmaceutical Association.
The Institute of Chartered Accountants of Alberta.
The Association of Registered Nurses of Alberta.

Information with respect to these examinations can be obtained on application to the Registrar.

VI.—PHYSICAL EDUCATION

The Department of Physical Education offers to all students the opportunity for physical development under scientific direction. The work of this department is carried on in the University Gymnasium. Physical education is compulsory upon students of the first and second years. A medical examination of all students of these years is made to determine their fitness for physical exercises and athletic activities.

VII.—DISCIPLINE

The Provost is the chief disciplinary officer of the University. He exercises general supervision over the conduct and welfare of the students, especially with regard to the students in residence.

By resolution of the Senate a committee on student affairs has been constituted as follows: "The President of the University, the Chancellor, the Chairman of the Board, the Provost, one member to be elected from each Faculty; two members to be elected from the Senate (these not to be Faculty representatives); the Adviser to women students; the president of the Students' Union; the president of the Athletic Society; the president of the Literary Department of the Students' Union; the president of the Wauneita Society; the editor-in-chief of "The Gateway"; three members to be elected from the Students' Council."

Under the same resoluton, the duties of this committee are "to deal with

(a) all matters referred to in the University Act, Article 41, subsections 18 and 19;

(b) all other matters relating to students' interests not therein referred to provided that in the event of any decision of this committee being challenged by a non-student member, the decision must, to be valid, be ratified by a majority of the non-student members present; provided further that the right of appeal to the Senate against any such decision shall lie with the student members."

(2) For misconduct in the lecture-room, a student may be required by the instructor to leave the lecture-room. Persistent misconduct shall be reported to the President of the University, who may suspend from lectures pending the action of the committee on student affairs.

(3) The following disciplinary ruling with regard to Athletics, submitted by the Faculty of Arts and Sciences and the Students' Union, was adopted by the Senate at its meeting of March 31st, 1911:

"Hereafter no persons except **bona fide** students who are in attendance at the University, or at one of the group of organized affiliated colleges carrying full work and whose scholastic record is certified as satisfactory by the Faculty Council of the University or by the respective colleges in which they are registererd, shall be permitted to play on or be officers of any athletic team representing the University of Alberta.

By **bona fide** students shall be understood:

(a) students who are doing full undergraduate work in the University.

(b) students in the affiliated colleges (1) who are matriculated, or (2) taking two full courses in the University."

(4) In all cases of discipline involving offences against the student body, a student may appeal from decisions of that body or of any court constituted by it, to the Committee on Student Affairs.

(5) No student will be permitted to continue in attendance at the University whose presence is for any cause deemed by the Committee on Student Affairs prejudicial to the interests of the University.

(6) All regulations affecting the Students' Union and the Students' Court are subject to the approval of the Committee on Student Affairs.

VIII.—RESIDENCE

Residential accommodation is provided in the University for three hundred students. Unless by special permission, all students not living with parents or guardians must reside in the University residences. Applications for exemption must be addressed to the Treasurer of the University.

Students already in residence in the University will be permitted to retain the rooms they at present occupy or to select other available rooms provided they give notice to the Treasurer's office at or before the close of the session.

Other rooms available will be assigned in order of application.

Rooms will not be reserved later than Monday, September 29th unless a deposit of $10.00 is in the hands of the Treasurer by that date, and then only for two weeks.

The conduct of students in residence is subject to the authority of the House Committee, under the Board of Governors. This committee consists of the Provost, the Adviser to Women Students, two resident students from each of the University Halls; one representative of the women students

in residence, and one non-resident student. A special sub-committee of the House Committee, under the direction of the Adviser to Women Students, will deal with matters relating solely to the women students. The resident members shall be fourth year or graduate students and shall be elected at the Students' Union elections in the spring preceding, by the students then in residence; the non-resident student member shall be elected at the same time by the members of the Students' Union. Any vacancy thereafter occurring shall be filled at a special election to be held within two weeks after the occurrence of the said vacancy. Should the vacancy occur in the list of resident members, only students who have been in residence at least one year shall have the right to vote.

In all cases of discipline involving, or appearing to involve, the interests of the residences, a student may appeal from decisions of the Students' Union or of any student court to the House Committee.

IX.—MEDICAL SERVICE

All students registered in the University are required by the Students' Union to pay an annual fee of three dollars which is applied to the maintenance of a Medical Service Fund. This trust fund is administered by a committee consisting of the President of the University, the Provost, the Medical Director and the President of the Students' Union. In return for the fee paid students are entitled to free medical treatment in case of illness or accident during the academic year. This includes provision for hospital charges, nursing, medicine, ambulance, physician's fees and the cost of minor operations. No provision, however, is made for cases of illness contracted before the beginning of the session, chronic diseases, major operations, or cases not immediately reported to the Medical Director. The Medical Director will in all cases decide if transference to the hospital is advisable and if so, what accommodation is necessary. He shall also decide who the attending physician shall be, and in the event of operation shall determine to what consideration the patient is entitled. The Medical Director also certifies to the Registrar with regard to exemptions from lectures or tests claimed by students on the ground of sickness.

X.—STUDENT FUNCTIONS

All student functions are conducted under the general supervision of the Provost, from whom permission to use a University building for such purpose must be obtained. A

written communication for such permission must be addressed to him at least ten days befor the date set for any function.

XI.—MEETINGS OF STUDENT SOCIETIES

Applications for the use of rooms for students' meetings must be made to the Registrar.

XII.—ACADEMIC COSTUME

By a resolution of the Senate, students of the senior years are required to wear gowns at all classes and lectures, and at such functions as may at any time be specified.

All gowns are to be of the customary Cambridge shape; i. e., for undergraduates a black stuff gown, not falling below the knee with round sleeve cut above elbow; for bachelors, a black stuff gown, falling below the knee with full sleeve cut to elbow and terminating in a point; for masters, a black stuff or silk gown falling below the knee with long sleeves with semi-circular cut at bottom.

Hoods are to be of the Oxford pattern, except those for the doctorate which shall be of the Cambridge form.

Bachelors' and masters' hoods are to be of a spruce green silk, with, for bachelors, a border (1½ inches each way); for masters, a full lining of the color distinctive of the faculty.

The faculty colors are:—	Green and
For Arts (including LL.D.)	White
For Science	Light Green
For Law	Cream
For Medicine	Rose
For Agriculture	Pale Blue
For Education	Lilac
For Dentistry	Buff
For Pharmacy	Cinnamon
For Divinity	Purple

Doctors' hoods are to be of scarlet silk, with a full lining of the respective faculty color, the M.D. hood to be of the master's pattern.

Doctors are entitled to wear a full dress scarlet robe faced with silk of the respective faculty color.

All caps are to be of the ordinary black trencher shape with black tassels, with a black velvet cap with gold cord for doctors' full dress.

Organization of Faculties

The University reserves the right to modify or withdraw for the session any of the courses here outlined.

FACULTY OF ARTS AND SCIENCES

The courses leading to the degrees of B.A., B.Sc. in Arts, and B.A. in Household Economics, are divided into two groups —junior courses and senior courses. A course is to be regarded as designating normally three hours of instruction in a subject each week throughout the year. The junior courses are designed for students in the first and second years, the senior courses for the third and fourth years. The junior courses are, in general, to be regarded as preparatory to the senior courses.

To obtain the degree of B.A. or B.Sc. in Arts, a student must obtain credit for at least eleven junior courses, eight senior courses, and the required work in Physical Education. The subjects in the junior courses are largely prescribed; the senior courses are in the main elective.

I.—THE B.A. DEGREE
JUNIOR COURSES
FIRST YEAR

Subject	Course No.	Lecture hours	Page
English Composition	Eng. 1	3	65
*French	Fr. 1 and 3 or 31 and 32	3 or 5	96
*German	Ger. 1 and 3 or 31 and 32	3 or 5	98
*Greek	Gr. 1 and 3 or 31 and 32	3 or 5	82
History	Hist. 1 (a) and (b)	3	90
*Latin	Lat. 1 and 3 or 31 and 32	3 or 5	81
Mathematics	Math. 1	3	95
Physics	Phys. 1	3	102
Physical Education			

*Any two of these are to be taken, but candidates not presenting Latin for Matriculation will be required to take Latin 31 and 32 as a first year subject.

SECOND YEAR

Subject	Course No.	Lect. hours	Page
**Biology	Biol. 1	3†	77
**Chemistry	Chemistry 1	3†	78
English	English 2	3	65
*French	Fr. 2 and 4	3	96
*German	Ger. 2 and 4	3	98
*Greek	Gr. 2 and 4	3	82
**History	History 2	3	90
*Latin	Latin 2 and 4	3	81
**Mathematics	Math. 7 or 51	3 or 4	95
**Philosophy	Phil. 1	3	101
**Physics	Phys. 3—9	3†	103
Physical Education			

*The two languages selected as first year courses are to be continued in the second year.

**Any two of these are to be taken.

SENIOR COURSES

THIRD AND FOURTH YEARS

Group	Subject	Course No	Lecture hours	Page
A. Literary and Philosophical	Education	Edu. 51	3	102
	English	Eng.51-59	3	85
	French	Fr. 51, 52	3	97
	German	Ger. 51,52	3	98
	Greek	Gr. 51, 52	3	83
	Hebrew	Heb. 51-53	3	100
	History	Hist. 53-62	3	100
	Latin	Lat. 51-56	3	81
	Political Economy	Hist. 59, 64, 65	3	91
	Philosophy	Phil. 51,53	3	101
	Psychology	Psy. 51, 52	3	103
B. Scientific	Botany	Bot. 51, 52	3†	78
	Chemistry	Che. 51-57	3†	79
	Geology	Gly. 51,53, 55, 57, 62	3† 3†	88
	Mineralogy	Geol. 53	3†	89
	Mathematics	Mat.51,52	3	93
	Astronomy	Math. 53	3	93
	Physics	Phys. 51	3†	103

†—Three hours a week of laboratory work is also required.

The senior courses are offered in the third and fourth years only. Of the eight senior courses for the B.A. degree one must be, and not more than three may be taken from Group B.

Students must continue two subjects throughout the two years, but are not permitted to select more than three courses in all from any one department, during the two years.

Students may be exempted from two senior courses selected from Group A by presenting certificates of having satisfactorily completed an equivalent amount of work in one of the organized affiliated theological colleges.

II.—THE B.Sc. DEGREE IN ARTS.

JUNIOR COURSES

(as for B.A.,)

SENIOR COURSES

As for B.A., except that Latin and Greek are not offered, and of the eight courses for the B.Sc. degree in Arts one must be, and not more than three may be selected from Group A.

Students must continue two subjects throughout the two years, but are not permitted to select more than three courses in all from any one department during the two years.

III.—THE B.A. DEGREE IN HOUSEHOLD ECONOMICS

JUNIOR COURSES

FIRST YEAR

Subject	Course No.	Lect. hours	Page
Chemistry	Chem. 1	3†	78
English	Eng. 1	3	85
*French	Fr. 1 and 3 or 31 and 32	3 or 5	96
*German	Ger. 1 and 3 or 31 and 32	3 or 5	98
*Greek	Gr. 1 and 3 or 31 and 32	3 or 5	82
History	Hist. 1	3	90
*Latin	Lat. 1 and 3 or 31 and 32	3 or 5	81
Mathematics	Math. 1	3	95
Physics	Phys. 1 and 2	3†	192
Physical Education			

† —Three hours a week of Laboratory work is also required.

SECOND YEAR

Subject	Course No.	Lect.	Lab.	Page
Biology	Biol. 2	3*	3*	77
Chemistry	Chem. 53	6**	6**	79
English	Eng. 2	3	...	85
†French	Fr. 2 and 4	3	...	94
†German	Ger. 2 and 4	3	...	98
†Greek	Gr. 2 and 4	3	...	82
Household Economics	H. Ec. 2 1	...	6	92
†Latin	Lat. 2 and 4	3	...	81
Zoology	Zool. 1	2**	4**	78
Physical Education				

†The languages selected as first year courses are to be continued in the second year.

*First half session. **Second half session.

FACULTY OF APPLIED SCIENCE

The University offers two groups of courses leading to the B.Sc. degree in Applied Science, one to the B.Sc. degree in Engineering (Civil, Electrical or Mining); the other to the B.Sc. degree in Architecture.

I.—THE B.Sc. DEGREE IN ENGINEERING

The requirements of the first and second years of the three divisions of Engineering groups are uniform, and are designed to give the general foundation in mathematics and physical science necessary to specialization in the various branches of Engineering in the last two years. In this group a course in French or German is also offered, specially adapted to an Applied Science curriculum. While this course is optional, students are advised to take it and credit toward general class standing will be given for work satisfactorily done therein.

Students of this University who may wish to study branches of Engineering in which the equipment for third and fourth year work has not been completed, may finish their course at certain universities of Eastern Canada where, according to arrangement, they will be admitted ad eundem statum.

JUNIOR COURSES

FIRST YEAR

Subject	Course No.	First half Lect.	First half Lab.	Second half Lect.	Second half Lab.	Page
Practical Surveying	C.E. 6	....	....	....	....	79
Mechanical Drawing	Draw. 2	....	3	....	3	83
Freehand & Lettering	Draw. 3	....	3	....	3	83
Descr. Geom.	Draw. 4	....	6	....	6	83
English	Eng. 1	3	....	3		65
†French or German	F or G41	2	....	2	....	96
History	Hist. 1 (a)	1	....	1	....	90
Algebra	Math. 3	4	....	4	....	93
Geometry	Math. 4	3	....	....	....	93
Trigonometry	Math. 5	....	....	3	....	93
Mechanics	Math. 6	2	....	....	....	93
Anal. Geom.	Math. 8	....	....	2	....	93
Physics	3, 4, & 5	3	3	3	3	103
Physical Education						

†Optional.

SECOND YEAR

Subject	Course No.	First half Lect.	First half Lab.	Second half Lect.	Second half Lab.	Page
Chemistry	Chem. 1	3	3	3	3	78
Applied Statics	C. E. 1	....	....	....	6	79
Mapping	C. E. 2	....	6	....	....	79
Mat. of Constr.	C. E. 3	2	....	....	....	79
Mech. of Mach.	C. E. 4	2	1	2	1	79
Surveying	C. E. 5	2	....	2	....	79
Practical Surveying	C. E. 7	....	....	....	....	79
Machine Drawing	Draw. 5	....	3	....	3	83
†French or German	F or G42	2	....	2	....	96
Calculus	Math. 9	3	....	3	....	93
Mechanics	Math. 11	3	....	3	....	93
Physics	6 and 7	3	3	3	3	103
Physical Education						

†Optional.

SENIOR COURSES

A.—CIVIL ENGINEERING

THIRD YEAR

Subject	Course No.	First half Lect.	First half Lab.	Second half Lect.	Second half Lab.	Page
Municipal Accounting	Acc.51	....	....	1	....	74
Framed Structures ...	C.E. 53	....	6	....	....	80
Geodesy	C.E. 54	....	....	2	....	80
Hydraulics	C.E. 55	3	....	2	....	80
Mapping	C.E. 58	....	3	....	....	80
Municipal Engineering	C.E. 59A	....	....	2	3	80
Practical Astronomy .	C.E. 60	2	....	....	....	80
Structural Design .. .	C.E. 62	1	1	....	3	80
Practical Surveying ..	C.E. 64	....	....	....	....	80
Testing Laboratory ..	C.E. 65	....	3	....	....	80
Theory of Structures .	C.E. 67	2	....	3	....	80
Hydraulic Lab.	C.E. 69	....	....	....	3	80
Geology	Geol. 52	3	3	3	3	88
Mechanics	Math.54	2	....	....	....	93

FOURTH YEAR

Subject	Course No.	First half Lect.	First half Lab.	Second half Lect.	Second half Lab.	Page
†Bacteriology	Bact. 1	2	....	2	....	77
†Advanced Structures	C.E. 51	2	....	....	....	80
Found. & Masonry ..	C.E. 52	1	3	1	3	80
†Hydraulic Machinery	C.E. 56	2	....	....	....	80
Mechan. Engineering .	C.E. 57	2	....	2	1½	80
Municipal Engineering	C.E. 59B	3	3	....	....	80
Railway Engineering .	C.E. 61	2	....	2	....	80
†Structural Design ..	C.E. 63	2	3	2	3	80
Testing Laboratory ..	C.E. 66	....	3	....	3	80
†Water Power Eng. ..	C.E. 68	1	1	1	1	80
Highway Engineering .	C.E. 72	....	....	2	....	80
Electrical Engineering .	C.E. 73	2	....	2	1½	80

B—ELECTRICAL ENGINEERING

The junior courses of the first two years are the same as those in the other engineering departments (see p. 55). The subjects of the third year are given below, and a statement will be made later as to fourth year work in this branch.

THIRD YEAR

Subject	Course No.	Lect. hours	Lab. hours.	Page
Theory of Dir. Current	El. E. 51	3	. . .	84
Direct Cur. Laboratory	El. E. 52	. . .	6	84
Physics	53 and 54	2	6	103
Adv. Calc. and Sol. Anal. Geom.	Math .52	2	. . .	93
Mechanics	Math. 54	2*	. . .	93
Theory of Structures .	C. E. 67	2	. . .	80
Testing Laboratory . .	C. E. 65	. . .	3*	80
Mech. Engineering . .	C. E. 57	2	. . .	80
Machine Design	El. E. 54	2	. . .	84
Mech. of Machines . .	El. E. 55	2	1	84
Mechanical Drawing .	El. E. 56	. . .	3	84

*First half session.

C—MINING ENGINEERING

THIRD YEAR

Subject	Course No.	First half Lect.	First half Lab.	Second half Lect.	Second half Lab.	Page
Chemistry	Chem. 55	3	6	3	6	79
Hydraulics	C.E. 55	3	. . . .	2	. . . .	80
Theory of Struct. . . .	C.E. 70	. . . .	. . . .	2	. . . .	80
Geology	Geol. 52	3	3	3	3	88
	Geol. 61	. . . .	. . . .	1	. . . .	89
Mineralogy	Geol. 54	2	3	1	3	88
Mechanics	Math. 54	2	. . . .	. . . .	. . . .	93
Ore Dressing	M.E. 52	. . . .	. . . .	2	. . . .	94
Mine Survey School . .	M.E. 53	. . . .	. . . .	. . . .	. . . .	95
Assaying	M.E. 54	1	3	. . . .	3	95
Metallurgy	M.E. 55	. . . .	. . . .	2	3	95
Mining Engineering . .	M.E. 56	1	. . . .	1	. . . .	95

UNIVERSITY OF ALBERTA

FOURTH YEAR

Subject	Course No.	First half Lect.	First half Lab.	second half Lect.	second half Lab.	Page
Mineral Analysis	Chem. 56	....	3	....	3	79
Mech. Eng.	C.E. 57	2	....	2	....	80
Testing Lab.	C.E. 65	....	3	....	....	80
Elec. Eng.	C.E. 73	2	....	2	....	80
Petrology	Geol. 56	1	3	....	....	89
Petrography	Geol. 57	....	....	1	3	89
Ore Deposits	Geol. 58	3	....	3	3	89
Clays and Clay Prod.	Geol. 59	1	3	....	....	89
Geol. Colloquium	Geol. 60	1	....	....	....	89
Metallurgy	M.E. 57	2	3	2	....	95
Mining Eng.	M.E. 58	3	....	....	....	95
Mining Machinery	M.E. 59	....	....	3	....	95
Mine Design	M.E. 60	....	....	....	3	95
Ore Dressing	M.E. 61	2	....	....	3	95
Min. Colloquium	M.E. 62	....	....	1	....	95

II—The B.Sc. DEGREE IN ARCHITECTURE

The courses of study in Architecture of the first year correspond generally with those in Engineering, but Architectural Drawing and History are introduced and French (courses 41 and 42) is obligatory. In the following years the scientific and technical subjects are followed to the extent required in the practice of Architecture. Throughout the course increasing stress is placed upon the practice of Architectural design.

JUNIOR COURSES

FIRST YEAR

Subject	Course No.	Lect. hours	Lab hours	Page
Architectural Draw.	Arch. 1	...	3	76
Practical Surveying	C. E. 6	...	...	80
Freehand Drawing	Draw. 3	...	6	83
Descr. Geometry	Draw. 4	...	6	83
English	Eng. 1	3	...	85
French	Fr. 41	2	...	96
History	Hist.	3	...	
	1 (a) & (b)	...	...	90
Mathematics	Math.	...	...	
	1 and 2	4	...	93
Physics	Phys. 3	...	...	
	4 and 5	3	3	103
Physical Education				

SECOND YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Architectural Drawing	Arch. 2	. . .	3	76
Architectural Design .	Arch. 3	. . .	6*,9**	76
History of Architecture	Arch. 4	2	. . .	76
Building Construction.	Arch. 5	. . .	6	76
Decorative Arts	Arch. 6	. . .	4	76
Mapping	C. E. 2	. . .	3*	79
French	Fr. 42	2	. . .	96
History	Hist. 2	3	. . .	90
Algebra	Math. 3	4	. . .	91
Geometry	Math. 4	3*	. . .	91
Trigonometry	Math. 5	3**	. . .	91
Physical Education . .				

THIRD YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Architectural Drawing	Arch. 51	. . .	3	76
Architectural Design .	Arch. 52	1	9	76
Hist. of Architecture .	A 54 or 55	2	. . .	76
Decorative Arts	Arch. 56	1	3	76
Specifications	Arch. 58	1*	. . .	76
Sanitation	Arch. 59	1**	. . .	76
Build. Construction . .	Arch. 61	. . .	6	76
Mat. of Construction. .	C. E. 3	2**	. . .	79
Theory of Structures .	C. E. 70	2**	. . .	80
Applied Statics	C. E. 71	. . .	6*	80

FOURTH YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Municipal Accounting.	Acc. 51	1**	. . .	74
Architectural Design .	Arch. 52	1	15	76
Hist. of Architecture .	Arch. 55	2	. . .	76
Decorative Arts	Arch. 55	1	3	76
Ventilation & Heating	Arch. 60	1*	. . .	76
Framed Structures . . .	C. E. 53	. . .	6*	79
Structural Design . . .	C.E. 62	. . .	3**	80
Testing Laboratory . .	C. E. 56	. . .	3*	80

*—First half session. **—Second half session.

FACULTY OF MEDICINE

Two courses are offered, one leading to the degree of M.D., the other to the degree of D.D.S.

I—THE M.D. DEGREE

The course leading to the degree of M.D. is arranged on the basis of a five-year *curriculum of which the first three years' work is now offered.

Arrangements have been made by which any student who has completed the first three years of the curriculum for this degree in the University of Alberta may receive equivalent standing in McGill University or in the University of Toronto, and may then proceed to the degree by completing the final two years of the medical curriculum in either of these Universities.

JUNIOR COURSES

FIRST YEAR

Subject	Course	First half		Sec. half		Page
Biology	Biol. 2	3	3	..	..	77
Chemistry	Chem. 2 & 3	6	6	6	6	79
French or German	Fr. 41 or Ger. 41	2	..	2	..	96
History	Hist. 1 (a)	1	..	1	..	90
Physics	Phys. 1 & 2	3	3	3	3	103
Zoology	Zool. 1	..	..	2	4	77
Physical Education						

*In accordance, however, with the decisions of McGill University, and the University of Toronto to extend the M.D. course to six years, the University of Alberta has arranged to make a similar extension, beginning with session 1919-20. The subjects of the first year will, for the most part, remain as here tabulated. Details will be available at the opening of the session.

SECOND YEAR

Subject	Course	First half		Sec. half		Page
Gross Anatomy	Anat. 1	3	15	..	..	74
Gross Anatomy	Anat. 2	..	..	2	8	74
Histology	Anat 10	2	4	..	..	75
Splanchnology	Anat. 12	..	..	2	4	75
Embryology	Anat. 14	..	..	1	2	75
Bacteriology	Bact. 1	..	2	..	2	77
Materia Medica	Mat. Med. 3	1	..	1	..	92
Physiology	Phsyiol. 1	2	2	2	4	102
Biochemistry	Physiol. 2	3	4	3	7	102
Physical Education						

SENIOR COURSES
THIRD YEAR

Subject	Course No.	First half Lect.	Lab.	Sec. half Lect.	Lab.	Page
Gross Anatomy	Anat. 53 & 54	2	8	1	6	75
Neurology	Anat. 60	2	6	..	..	75
Bacteriology	Bact. 51	..	3	..	3	77
Gen. Pathology	Path. 51	2	2	2	3	100
Path. Chemistry	Path 52	1	2	1	..	100
Pharmacology	Pharm. 51	1	3	1	2	100
Pharmacy	Pharm. 3	..	..	1	..	100
Physiology	Physiol. 51	3	3	3	3	103
Clinical Physiology	Physiol 52	..	4	..	4	104
Psychology	Psych. 53	1	..	1	..	102
Surgery	Surg. 51	1	2	1	2	104
Clin. Laboratory		..	2	..	2	

II—DENTISTRY

The course in Dentistry is arranged on the basis of a four-year curriculum, of which the first two years' work is now offered. The tables here given are subject to modification, particulars of which will be given at the opening of the session.

Undergraduates of the Faculty of Dentistry, University of Alberta, who have completed the first and second years of the Course in Dentistry, will be admitted to the third year at the Royal College of Dental Surgeons of Ontario and the Dental Department of the University of Toronto, under such conditions as shall permit them to graduate ordinarily in two years and receive the Degree of Doctor of Dental Surgery.

Similar arrangements are available at McGill University.

FIRST YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Anatomy	Anat. 6	1†	3†	75
Biology	Biol. 2	3*	3*	77
Chemistry	Chem. 2 & 3	6	6	78
French	Fr. 41	2	. . .	96
History	Hist. 1 (a)	1	. . .	100
Physics	Phys. 1 & 2	3	3	102
Zoology	Zool. 1	2†	4†	77
Physical Education				

*First half session. †Second half session.

SECOND YEAR

Subject	Course No.	First half Lect.	First half Lab.	Sec. half Lec.t	Sec. half Lab.	Page
Anatomy	Anat. 53, 54	2	8	1	6	75
Histology	Anat. 10	2	4	..	..	75
Splanchnology	Anat. 12	..	..	2	4	75
Bacteriology	Bact. 1	2	..	2	..	77
Pharmacology	Pharm. 51	1	3	1	2	100
Physiology	Physiol. 1	2	2	2	4	103
Physiological Chem.	Physiol. 2	3	4	3	7	103
Prosthetic Chemistry						
Operative Dentistry						
Physical Education						

FACULTY OF LAW

UNDERGRADUATE DEGREES IN COURSE

THE LL.B. DEGREE

In the Faculty of Law courses are offered leading to the degree of LL.B.

The course of study leading to the degree covers a period of four years. It is arranged to meet the requirements of the Alberta Law Society for students-at-law, providing along with these requirements such additional courses as are necessary to obtain the degree.

A special bulletin giving details of courses can be obtained on application to the Registrar.

COMBINED COURSES

I—COMBINED COURSE LEADING TO THE DEGREES OF B.A. AND B.Sc. IN ARTS

To obtain the degrees of B.A. and B.Sc. in Arts a student is required to complete the following courses extending over six years:

JUNIOR COURSES

FIRST YEAR

1. English.
2. History.
3 & 4. Latin, Greek, French, German: two subjects to be chosen, one of which must be a modern language.
5. Mathematics.
6. Physics.
7. Physical Education.

SECOND YEAR

1. English.
2 & 3. French and German.
4 & 5. Two of the following, one of which must be from (b):
   (a) Latin, Greek, other Language, History.
   (b) Mathematics, Chemistry, Biology, Physics..
6. Physical Education.

Students who desire to take in the following years more advanced work in Mathematics, Physics or Chemistry, must choose Mathematics in the second year.

THIRD AND FOURTH YEARS

In these two years a student must take eight courses from the senior courses prescribed for the B.A. degree of which one must be and not more than three may be taken from Group B; one subject from Group A must be continued through two years, but students are not permitted to select more than three courses in all from any one department during the two years.

At the end of the fourth year a student, having satisfactorily completed the four years' work outlined above, is entitled to receive the B.A. degree.

FIFTH AND SIXTH YEARS

In the last two years a student may take general courses for the degree of B.Sc. in Arts or advanced courses in fewer subjects for the degree with honors.

For a general course the student must complete in the two years eight courses from Group B, subject to the conditions already stated (p. 53) for the B.Sc. in Arts.

For an honors course the student must choose two subjects from the above and continue these throughout the two years. Both lectures and laboratory work will be required.

II—COMBINED COURSE LEADING TO THE DEGREES OF B.A. AND B.Sc. IN APPLIED SCIENCE

JUNIOR COURSES

FIRST YEAR

1. English Composition.
2. History.
3. Mathematics (ordinary and advanced sections).
4. Physics.
5 & 6. French, German, Latin or Greek, two; one of which must be modern language. For students in Architecture French is obligatory.
7. Physical Education.

SECOND YEAR

1. English Literature.
2. History.
3 & 4. The two languages taken in first year.
5. Descriptive Geometry (Drawing 4).
6 & 7. Freehand Drawing and Lettering (Drawing 2* and 3).
8. Physical Education.

THIRD YEAR

1. Economics (History 59).
2. Physics 3, 4 and 5.
3 & 4. Two senior subjects from Group A.
5. **Architectural Drawing (Arch. 1).
   *Mathematics 5 and 6.
6. Survey School (C. E. 6).

The subjects of years IV., V. and VI. are identical with those of years II., III. and IV. in the various groups of subjects in Applied Science.

**Students in Architecture only.

*Omitted by students in Architecture.

III.—COMBINED COURSE LEADING TO THE DEGREES OF B.A. AND M.D.

FIRST YEAR

1. English 1.
2. History 1.
3. Mathematics 1.
4. Physics 1 and 2.

5 and 6. French, German, Latin, Greek: two to be taken of which one must be a modern language.

7. Physical Education.

SECOND YEAR

1. English 2.
2. Chemistry 1.
3. Botany 2.
4. Zoology 1.

5 & 6. The two languages taken in the first year.

7. Physical Education.

THIRD YEAR

1. Chemistry 52.

2, 3 and 4. Three senior courses from Group A.

The subjects of Second year Medicine see p. 61.

The subjects of years V., VI. and VII., are identical with those of years III., IV. and V., in Medicine.

This Combined Course is subject to modification in accordance with the foot-note p. 60.

The B.A. degree may be granted at the end of fourth year.

II.—COMBINED COURSE LEADING TO THE DEGREES OF B.A. and LL.B.

FIRST YEAR

1. English Composition.
2. History.
3. Mathematics.
4. Physics.

5 & 6. *French or German or Greek or Latin.

*—Any two of these.

7. Physical Education.

SECOND YEAR

1. English Literature.
2 & 3. *French or German or Greek or Latin.
4. History.
5. Philosophy or Biology or Chemistry or Mathematics or Physics.
6. Physical Education.

*—The two languages selected in the first year.

THIRD YEAR

1. History 58 (Can. Const. Hist.).
2. Economics.
3 & 4. Two senior subjects from Group A.
5. One senior subject from Group B.

FOURTH YEAR

1. History 57 (Eng. Con. Hist.)
   Subjects of first year Law—
   Common Law.
   Equity.
   Contracts.
   Real Property.
   Can. Const. Law.

The subjects of years V. and VI. are identical with those of years II., III., and IV., in the LL.B. course.

The B.A. degree may be granted at the end of the fourth year.

The student should article with a lawyer at the end of the third year.

FACULTY OF AGRICULTURE

In the Faculty of Agriculture courses are offered leading to the degree of B.S.A., and of B.Sc. in Household Economics.

I.—THE B.S.A. DEGREE

The course of study for this degree covers a period of three years, and is offered to those who have satisfactorily completed the two years' course at one of the Provincial Schools of Agriculture.

FACULTY OF AGRICULTURE

In the Faculty of Agriculture courses are offered leading to the Degree of B.S.A. The course of study for this degree covers a period of three years.

JUNIOR COURSES

FIRST YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Animal Husbandry	A. H. 1	1	1	75
Botany	Bot. 3	2	2	77
Chemistry	Chem. 1	3	3	78
English	Eng. 1	3	...	85
Crop Production	F. H. 1	2	2	87
Geology	Geol. 31	2*	...	92
History	Hist. 1 (a)	1	...	90
Mathematics	Math. 31	3	...	93
Physics	Ph. 1 and 2	3	3	102
Physical Education				

SECOND YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
Animal Husbandry	A. H. 2	...	4	75
Bacteriology	Bact. 2	2	...	77
Agricultural Botany	Bot. 4	1**	2 **	77
Chemistry	Chem. 52	3	3	79
English	Eng. 3	1	...	85
Field Husbandry and	F. H. 2	2	2	87
Rural Economics	R. E. 1	...	...	104
Horticulture	Hort. 1	1	...	91
Mathematics	Math. 33	3*	...	93
Soils	Soils 1	3	2	104
Veterinary Science	V. Sc. 2	1	...	104
Zoology	Zool. 1	2**	3**	77
Economic Entomology	Zool. 2	...	...	77
Physical Education				

*First half session. **Second half session.

UNIVERSITY OF ALBERTA

SENIOR COURSES

THIRD YEAR

Subject	Course No.	Lect. hours	Lab. hours	Page
History of Agriculture	Agr. 51	1	. . .	
Animal Husbandry . .	A. H. 51	2	. . .	75
Animal Husbandry . .	A. H. 52	1	. . .	76
Animal Husbandry . .	A. H. 54	. . .	2	76
Bacteriology	Bact. 52	. . .	2	77
Chemistry	Chem. 57	3	3	79
English	Eng. 54	1	. . .	85
Field Husbandry . . .	F. Hus. 51	3*	. . .	87
Soil Management . . .	F. Hus. 52	2*	2**	87
Crop Production . . .	F. Hus. 53	2**	2**	87
Field Crop Judging . .	F. Hus. 54	. . .	2*	88
F. C. Experimentation	F. Hus. 55	1*	. . .	88
F. H. Seminar	F. Hus. 56	1*	. . .	88
Soils	Soils 1	3	. . .	104
Veterinary Science . .	Vet. Sc. 51	1	. . .	104

*First half session. **Second half session.

II.—THE DEGREE OF B.SC. IN HOUSEHOLD ECONOMICS.

The course of study for this degree covers a period of three years, and is offered to those who have satisfactorily completed the two years' course at one of the Provincial Schools of Agriculture. For further information apply to the Registrar.

SCHOOL OF ACCOUNTANCY

THE DIPLOMA IN ACCOUNTANCY

The course leading to a Diploma in Accountancy is a two years' course covering the requirements for the Intermediate and Final examinations of the Institute of Chartered Accountants of Alberta, with additional courses in Mathematics and Economics. Students who wish to pass only the examinations of the Institute may omit these additional courses. Instruction in this department is offered in evening classes.

JUNIOR COURSES

FIRST YEAR

1. Law . . . . . Acc. 1
2. Auditing . . . . . Acc. 2
3. Theory and Practice of Account'g Acc. 3
4. Economics . . . . . Hist. 3
5. Mathematics . . . . . Math. 51

SECOND YEAR

1. Commercial Law . . . . . Acc. 4
2. Auditing . . . . . Acc. 5
3. Accounting . . . . . Acc. 6
4. Economics . . . . . His. 4
5. Mathematics . . . . . Math. 42

SCHOOL OF PHARMACY

The University offers two courses in Pharmacy, one covering the requirements for registration as Licentiate of the Alberta Pharmaceutical Association; the other leading to the degree of B.Sc. in Pharmacy. The former covers two years, and the latter four years of academic work. Apprenticeship service is not required before entering upon the course for the degree.

Such actual experience as shall be required before registration may be secured by service in the employ of a duly qualified pharmacist during the two senior years of the course or upon its completion. The period of such service shall be not less than twelve months in the aggregate.

I.—THE LICENTIATE COURSE

FIRST YEAR

Subject	Course No.	First Half		Sec. Half	
		Lect. Hrs.	Lab. Hrs.	Lect. Hrs.	Lab. Hrs.
Botany	Biol. 3	3	3	3	3
Chemistry	Chem. 2 & 3	6	6	6	6
History	Hist. 1 (a)	1		1	
Latin	Lat. 36	1		1	
Mathematics	Math. 36	2		1	
Physics	Phs. 1 & 2	3	3	3	3
Physical Education					

SECOND YEAR

Subject	Course No.	First Half		Sec. Half	
		Lect. Hrs.	Lab. Hrs.	Lect. Hrs.	Lab. Hrs.
Materia Medica	M.M. 1	4		4	
Pharmacy	Pharm. 1,2 & 4	4	6	4	6
Physiology (Biochemistry)	Physiol. 2	3	6	3	6
Toxicology	Toxic. 1	1			
Physical Education					

II.—THE B.Sc. DEGREE IN PHARMACY

JUNIOR COURSES

FIRST YEAR

Subject	Course No.	Lect. Hrs.
English Composition	Eng. 1.	3
*French	Fr. 1 and 3 or 31 and 32	3 or 5
History	Hist.1	3
Latin	Lat. 1 and 3 or 31 and 32	3 or 5
Mathematics	Math. 1	3
Physics	Phys. 1 and 2	3†
Physical Education		

†Three hours a week of laboratory work is also required.

*German may be substituted for French at the option of the student.

SECOND YEAR

Subject	Course No.	Lect. Hrs.	Lab. Hrs.
Botany	Biol. 1	3	3
Chemistry	Chem. 2	3	3
English	Eng. 2	3	
Mathematics	Math. 7	3	
History	Hist. 2	3	
Zoology	Zool. 1	2**	3

**Second half session.

SENIOR COURSES

THIRD YEAR

Subject	Course No.	Lect. Hrs.	Lab. Hrs.
Botany	Bot. 52	2	4
Chemistry	Chem. 52	3	3
Materia Medica	M.M. 1	4	
Pharmacy	Pharm. 1, 2 & 4	4	6**
Toxicology	Toxic. 1	†1	

†First half session.

The subjects of the final year will be: Chemistry, Materia Medica, Bacteriology, Pharmacy and Physiology. More definite information regarding them will be published in next year's calendar.

In Pharmacy and Materia Medica, as well as in most of the other subjects mentioned, advanced courses will be included which are not available to students taking the licensing course.

A special bulletin of the School of Pharmacy may be obtained on application to the Registrar of the University.

DEGREES WITH DISTINCTION

I.—FIRST CLASS STANDING

First Class Standing is awarded to those students in Applied Science and in the general course in Arts who have obtained in the required senior courses an average of eighty-five per cent. or over.

II.—DEGREES WITH HONORS IN THE FACULTY OF ARTS AND SCIENCES

The courses in honors differ from the general courses in that they are planned with a view to specialization, and are open only to students who have displayed ability in the junior courses. Students who have in the second year attained Class I. in a subject are eligible to proceed to honors in that subject. Students who have attained Class II. in a subject may, by permission of the Committee on Honors in consultation with the head of the department concerned, be allowed to proceed in honors. The third year must be entered without conditions in any subject. Students must begin their courses in honors in the third year, and in order to graduate with honors must continue through the third and fourth years.

Students are expected to take the honor courses in only one subject associating therewith a general course in that subject and general courses in two other subjects. In case a student is permitted to become a candidate for honors in two subjects, he shall take two general courses in his honors subjects and in addition a general course in one other subject. Theological options are not allowed to count in arranging honors courses. A student desirous of taking a course in honors shall submit his proposed programme to the Committee on Honors.

The final examination for the degree shall include in addition to the regular written examination, an oral examination upon the subjects of the course taken in the third and fourth years. This examination will be conducted by the members of the Faculty under whom the candidate has studied.

Honors of two grades, First Rank and Second Rank, are awarded at graduation; but a student in honors who fails to obtain Second Rank may be granted a degree in the general course upon recommendation of the Faculty Council.

GRADUATE, AD EUNDEM AND HONORARY DEGREES

I.—THE M.A. AND M.Sc. DEGREES

Candidates for higher degrees shall be under the supervision of the Committee on Graduate Studies.

1. A candidate for the Degree of Master of Arts or Master of Science must hold a Bachelor's degree from this University or be admitted **ad eundem gradum,** and before presenting himself for the higher degree must have held the Bachelor's degree for at least one academic year.

2. A candidate must proceed to the Master's degree by

(a) **the pursuit of a prescribed course of study.** This course of study shall consist of, or be equivalent to, a full year of advanced work, and must form a cohesive whole with a definite aim. The honors course in any subject running through two years, together with the associated ordinary courses, may be regarded as fulfilling this requirement.

or (b) **the carrying out of an investigation.** A candidate who elects to carry out a piece of original investigation shall submit on or before April 1st of the year in which the degree is to be taken, a formal report embodying the results of the investigation, or submit a dissertation indicative of acquaintance with the methods of research, which shall be printed or typewritten, and which shall be deposited in the University Library. During the period of the student's candidacy, no use of the material or results of the investigation shall be made without the formal sanction of the Committee on Graduate studies. In all cases the subject of the investigation must receive the written approval of the head of the department concerned before it is submitted to the Committee on Graduate Studies as required in Section 3, and the report when completed shall be accepted only on the recommendation in writing of the department concerned. Every

candidate will be required, in addition, to pass an examination written or oral, on the subject within which his investigation lies. Such examination shall be conducted under the supervision of the Committee on Graduate Studies.

(3) A candidate who elects to proceed to the degree by method (a) must submit the course of study which he proposes to follow to the Committee on Graduate Studies and receive its approval on or before the first day of November of the year in which he undertakes his work for the degree.

A candidate who elects to proceed to the degree by method (b) must submit the subject of the investigation he proposes to carry out, to the Committee on Graduate Studies, and receive its approval, on or before the first day of November preceding the spring in which the degree is to be taken. Candidates are strongly recommended, however, to submit their applications to the Committee at the close of the preceding session. This is especially advisable for students wishing to work in scientific departments.

II.—THE B.D. DEGREE

By an arrangement with the affiliated Colleges the degree of B.D. is offered by the University to graduates in the Faculty of Arts and Sciences who follow a course of study presented by the affiliated colleges and approved by the University Senate. For information regarding this course application may be made to the Registrar.

III.—AD EUNDEM DEGREES

Applications for **ad eundem** degrees, accompanied by diplomas and a calendar of the institution conferring the degree, should be made to the Registrar.

IV.—HONORARY DEGREES

The degree of LL.D. is conferred in recognition of distinction in literature or science, or for notable public service.

Details of Courses by Departments

The University reserves the right to modify or withdraw for the session any of the courses here outlined.

DEPARTMENT OF ACCOUNTANCY

Messrs. Race and Gould.

Junior Courses.

1. **Law.**
   Banking, Bills of Exchange, Partnerships and Companies.
2. **Auditing.**
   Elementary Course.
3. **Accounting.**
   Theory and Practice for Intermediate candidates.
4. **Law.**
   Companies, partnerships, executors, administrators, trustees, assignees, liquidators, commercial law, municipalities.
5. **Auditing.**
   Advanced course.
6. **Accounting.**
   Advanced course for Final candidates.

Senior Course.

51. **Municipal Accounting.** Civil Engineering. 1hr. sec. half.

DEPARTMENT OF ANATOMY

Professor Revell and the following Demonstrators for 1918-19: Drs. Gray, McPherson, Adamson and Folinsbee.

Junior Courses.

1. **Gross Anatomy of Thorax and Abdomen.**
   3 hrs. lect., 15 hrs. lab., first half.
2. **Gross Anatomy of Upper and Lower Extremities**
   2 hrs. lect., 8 hrs. lab., sec. half.

6. Dental Anatomy. 1 hr. lect., 3 hrs. lab., sec. half.
For dental students in first year.

10. Histology. 2hrs. lect., 4 hrs. lab., first half.
The elementary tissues.

12. Splanchnology. 2 hrs. lect., 4 hrs. lab., sec. half.
The minute and general structure of the organs.

14. Embryology. 1 hr. lect., 2 hrs. lab., sec. half.
Vertebrate embryology studied by means of chick, frog, pig, and human material.

Senior Courses.

53. Gross Anatomy of Head and Neck.
2 hrs. lect., 8 hrs. lab., first half.

54. Systematic Anatomy. 1 hr. lect., 6 hrs. lab., sec. half.
At the end of the third year a practical and written examination is given on the anatomy of the whole body.

56. Advanced Anatomy.
Open to students who have finished the required work.

60. Neurology. 2 hrs. lect., 6hrs. lab., first half.
Gross and minute anatomy of the nervous system and the organs of the special senses.

DEPARTMENT OF ANIMAL HUSBANDRY.

Professor Dowell. and Assistant Professor Lattimer.

Junior Courses.

1. Animal Husbandry. 1hr. lect., 4 hrs. lab.
(a) Judging types and market classes of live stock.
(b) breed studies.
Origin, history and development of the different breeds of live stock.

2. Animal Husbandry. 4 hrs. lab.
Judging breed types.

3. Animal Husbandry. 2 hrs. lect., 2 hrs. lab.
Feed and management of live stock. Fitting stock for show or sale.

Senior Courses.

51. Animal Husbandry. 2 hrs. lect.
Market production of beef, pork, milk, mutton and wool. The feeding and maketing of horses.

52. **Animal Husbandry.** 2 hrs. lect., 1st half.
(a) Animal breeding.
(b) Herd book study. 2 hrs. lect., 2 hrs. lab., 2nd half.

53. **Animal Husbandry.** 2 hrs. lab.
Advanced judging.

54. **Animal Husbandry.** 3 hrs. lab.
Practical work — Checking experiments on University Farm.

55. **Animal Husbandry.** Seminar, 1 meeting per month.

DEPARTMENT OF ARCHITECTURE.

Professor Burgess and Assistant Professor Adam.

Junior Courses.

1. **Architectural Drawing.** 3 hrs. lab.

2. **Architectural Drawing.** 3 hrs. lab.
Study of historical examples by means of drawing.

3. **Architectural Design.** 6 hrs. first half, 9 hrs. sec. half.
Traditional forms and their application.

4. **History of Architecture.** 2 hrs.
Ancient, Classical and Byzantine.

5. **Building Construction.** 6 hrs. lab.
Methods of employing, assembling and framing materials.

6. **Decorative Arts.** 4 hrs. lab.
The crafts contributory to architecture: masonry, joinery, furniture carving.

Senior Courses.

51. **Architectural Drawing.** 3 hrs. lab.
Various methods of rendering architectural subjects.

52. **Architectural Design.** 1 hr. lect., 9 hrs. lab.
Problems in plan and elevation.

53. **Architectural Design.** 1 hr. lect., 15 hrs. lab.
Planning and grouping.

54. **History of Architecture.** 2 hrs.
Romanesque, medieval.

55. History of Architecture. 2 hrs.
Renaissance, modern.

56. Decorative Arts. 3 hrs. lab.
Metal work, plaster work, terra cotta, stone.

57. Decorative Arts. 1 hr. lect. 3 hrs. lab.
An advanced course in decorative design.

58. Specifications. 1 hr., first half.

59. Hygiene and Sanitation. 1 hr., sec. half.

60. Ventilation and Heating. 1 hr., first half.

61. Building Construction. 6 hrs. lab.

DEPARTMENT OF BACTERIOLOGY

Professor Rankin and Acting Professor Jamieson.

Junior Courses.

1. Elementary Bacteriology. **2 hrs.**

2. Agricultural Bacteriology. 2 hrs.

Senior Courses.

51. Special Bacteriololgy. 3 hrs.

DEPARTMENT OF BIOLOGY

Professor Lewis and Miss Tuttle.

Junior Courses.

1. **General Elementary Biology.** 3 hrs. lect., 3 hrs. lab.

2. **General Elementary Biology** (Medical)
3 hrs. lect., 3 hrs. lab., first half.

3. **General Elementary Botany** (Agriculture and Pharmacy)
2 hrs. lect., 3 hrs. lab.

4. **Agricultural Botany (2nd Year Agriculture)**
1h r. lect., 2 hrs. lab., second half.

Senior Courses.

51. Comparative Anatomy and Genetics.
2 hrs. lect., 4 hrs. lab.

52. Plant Physiology and Ecology. 2 hrs. lect., 4 hrs. lab.

53. Agricultural Botany (3rd year Agriculture) 2 hrs. lect.

Honors Courses.

101. Palaeobotany.

102. Comparative Anatomy and Ecology.

103. Comparative Distribution of Vegetation and Ecology.

Graduate Courses.

Graduate students desiring courses in Biology should consult the head of the department.

ZOOLOGY

Junior Courses.

1. General Elementary Zoology.

2. Economic Entomology.
2 hrs. lect., 2 hrs. lab., sec. half.

DEPARTMENT OF CHEMISTRY

Professor Lehmann, Assistant Professor Cowper, Mr. Sandin and Mr. Stover.

Junior Courses.

1. **Inorganic Chemistry.** 3 hrs. lect., 3 hrs. lab.

2. **Inorganic Chemistry.** 6 hrs. lect. (first half), 6 hrs. lab.
Lectures as in 1 with extra work in quantitative and qualitative analysis.
For students in Medicine, Pharmacy and Dentistry.

3. **Organic Chemistry.** 6 hrs. lect., second half.
For students in Medicine, Pharmacy and Dentistry.

4. **Inorganic Chemistry.** 3 hrs. lect., 3 hrs. lab.
Both the Paraffine and the Benzine series, with quantitative analysis; for second year students in Agriculture.

Senior Courses.

51. **Inorganic Chemistry.** 3 hrs. lect., 3 hrs. lab.
A continuation of Chemistry 1, chiefly the metals, with qualitative analysis.

52. Organic Cemistry. 3 hrs. lect., 3 hrs. lab.
The Paraffine and the Benzine series, organic preparations, or quantitative analysis.

53. Agricultural Chemistry. 3 hrs. lect., 3 hrs. lab.
A general course, including soils and fertilizers, fodders and feeding; for students in Arts and Sciences.

54. Physical Chemistry. 3 hrs. lect., 3 hrs. lab.

55. Inorganic Chemistry. 3 hrs. lect., 3 hrs. lab.
A continuation of Chemistry 1 with emphasis on quantitative analysis.

56. Mineral Analysis. 3 hrs. lab.

57. The chemistry of fodders and fertilizers, and animal nutrition. 3 hrs. lect., 3 hrs. lab.

Honors Courses.

101. Advanced Organic Chemistry. 3 hrs. lect., 6 hrs. lab.
The Paraffine series, with quantitative analysis.

102. Advanced Organic Chemistry. 3 hrs lect., 6 hrs. lab.
The Benzine series; history of chemistry; organic preparations; organic analysis.

DEPARTMENT OF CIVIL AND MUNICIPAL ENGINEERING.

Junior Courses.

1. Applied Statics. 6 hrs. lab., sec. half.

2. Mapping. 6 hrs. lab., first half.
Preparation of maps from notes taken in Survey Field Work, C. E. 6.

3. Materials of Construction. 2 hrs. first half.

4. Mechanics of Machines. 2 hrs. lect., 1 hr. lab.

5. Surveying. 2 hrs. lect.

6. Elementary Practical Surveying.
A special course in C. E. 6 will be given to Agricultural students during October.

7. Practical Surveying.

Senior Courses

51.	**Advanced structures.**	2 hrs. lect., first half.
52.	**Foundations and Masonry.**	1 hr. lect., 3 hrs. lab.
53.	**Framed structures.**	6 hrs. lab., first half.
54.	**Geodesy.**	2 hrs. lect., sec. half.
55.	**Hydraulics.**	2½ hrs. lect.
56.	**Hydraulic Machinery.**	2 hrs. lect., first half.
57.	**Mechanical Engineering.**	2 hrs.
58.	**Mapping.** Preparation of maps, plans, sections, estimates, etc, from notes taken in C. E. 7.	3 hrs. lab., first half.
59a.	**Municipal Engineering.**	2 hrs. lect., 3 hrs. lab., sec. half.
59b.	**Municipal Engineering.**	3 hrs. lect., 3 hrs. lab., first half.
60.	**Practical Astronomy.**	2 hrs. lect., first half.
61.	**Railroad Engineering.**	2 hrs. lect.
62.	**Structural Design.**	1 hr. lect., 1 hrs. lab., first half. 3 hrs. lab., sec. half.
63.	**Structural Design.**	2 hrs. lect., 3 hrs. lab.
64.	**Advanced Practical Surveying.** (This course will be held with courses 6 and 7 in April, except for Hydrographic Survey, which will be held in the fall.)	
65.	**Testing Laboratory.**	3 hrs. lab., first half.
66.	**Testing Laboratory.**	3 hrs. lab.
67.	**Theory of Structures.**	2½ hrs. lect.
68.	**Water Power Engineering.**	1 hr. lect., 1 hr. lab.
69.	**Hydraulic Laboratory.**	3 hrs. lab., sec. half
70.	**Theory of Structures.**	2 hrs. sec. half.
71.	**Applied Statics.**	6 hrs. lab., first half.
72.	**Highway Engineering.**	2 hrs. sec. half.
73.	**Electrical Engineering.**	2 hrs. lect., 1½ hrs. lab., sec. half.

DEPARTMENT OF CLASSICS

Professor Alexander, Assistant-Professor Misener, and

LATIN

Students entering the University without Latin will enrol in Latin 31 as specified below. The satisfactory completion of this course along with Latin 32 in the second half, will admit students who select Latin as one of their language options for the first two years in the Faculty of Arts and Sciences to the regular courses of the second year, viz., Latin 2 and Latin 4.

Students presenting Latin as an entrance subject will enrol in Latin 1 and Latin 3. If such students for any reason satisfactory to the Department and to the Faculty Council are permitted to enrol in Latin 31-32, they cannot claim exemption from any of the work in that course on the ground of its having been previously covered in their matriculation work.

Junior Courses.

1. 2 hrs.
Cicero, *Pro Lege Manilia*, *In Catilinam III;* Horace, *Odes I* and *II*.

3. 1 hr.
Latin Prose Composition. The memorization of extensive select passages from the Cicero of Latin 1; a study of the major principles of Latin syntax.

2. 2 hrs.
Livy, *Histories XXI;* Vergil, *Aeneid VI*.

4. 1 hr.
Weekly exercises in continuous Latin prose composition.

31. Introductory Course in Latin.
5 hrs. first half; 3 hrs. sec. half
Latin forms; elementary syntax; simple prose composition. Nepos and Ovid for authors work in sec. half.

32. Advanced Course to 31. 2 hrs. sec. half.
Authors as in Latin 1; memorization and prose composition as indicated for Latin 3.

Senior Course.

51. 3 hrs.
Cicero, *Select Letters* (Abbott: Ginn); Catullus, *Select Poems* (Merrill; Ginn). Advanced Latin prose composition.
Note:- This is the senior course offered for 1919-1920.

52. 3 hrs.
Tacitus, *Annals I-IV;* Juvenal, *Satires*.

53. 3 hrs.
Seneca, *Epistulae Morales;* Martial, *Epigrams.*

54. 3 hrs.
Cicero, *De Officiis;* Lucretius, *De Rerum Natura I, III, V.*

55. 3 hrs.
Tacitus, *The Minor Works;* Horace, *Select Satires* and *Epistles.*

58. 3 hrs.
Tacitus, *Histories I* and *II;* Vergil, *Georgics IV* and the *Eclogues.*

Honors and Graduate Courses.

101. 2 hrs
Latin Elegiac Poetry with particular study of a designated poet.

102. 2 hrs.
Plautus, the close study of two designated comedies and private reading of four other plays.

103. 2 hrs.
Lucretius, *De Rerum Natura.* The close study of one designated book and the reading of the entire poem.

104. 2 hrs.
(a) Horace, *Ars Poetica.* A close study of the text; an investigation into the influence of this work on the development of European literary criticism.
(b) Quintilian, *Institutio Oratoria X.* An examination into the principles of literary criticism as there laid down by Quintilian.

111. 1 hr.
Honor Latin Composition.

112. 1 hr.
Teachers' Course in the Syntax of Matriculation Authors.

113.
Combined Course in Syntax and Sight Reading.

Note:- Of these courses only 104 and 111 are offered in 1919-1920.

GREEK

The arrangement of the courses numbered 31 and 32 and 1 and 3, will depend largely on the number of students offering themselves. If the number is small, 31 and 32 will include all students in the first year.

Junior Courses.

1. 2 hrs.
Lysias, *Select Orations;* Homer, *Odyssey VI* and *X.*

3. 1 hr.
Greek prose composition; memorization and study of major principles of syntax.

2. 2 hrs.
Plato, *Apologia Socratis;* Euripides, *Alcestis.*

4. 1 hr.
Weekly exercises in Greek prose composition.

31. Introductory Course in Greek.
5 hrs. first half; 3 hrs. sec. half.
Greek forms; elementary syntax; simple prose composition. Reading for the sec.half from Colson's Greek Reader.

32. Advanced Course to 31.
2 hrs. sec. half.
Authors as in 1; memorization and prose composition as indicated for 3.

Senior Courses.

51. 3 hrs.
Thucydides. *Histories VII;* Sophocles, *Oedipus Rex* and *Oedipus Coloneus.*

52. 3 hrs.
Herodotus, *Histories VII* and *VIII;* Aristophanes, *The Knights* and *The Peace.*

53. 3 hrs.
Demosthenes, *The Philippics;* Theocritus, *The Elegies.*

54. 3 hrs.
Aristotle, *Ethics I-IV;* Apollonius Rhodius, *Argonautica I.*

55. 3 hrs.
A conspectus on the character of Socrates. (a) Plato, *The Symposium;* (b) Xenophon, *Memorabilia I-II;* (c) Aristophanes, *The Clouds.*

Note:- This is the senior course offered for 1919–1920.

75. 3 hrs.
The culture of the Greeks and the Romans as revealed in their literatures. Lectures, readings, reports. The course will be conducted though the medium of translations and no knowledge of the original languages is required.

Honors and Graduate Courses.
A course will be arranged in the event of any demand being made for it.

DEPARTMENT OF DRAWING AND DESCRIPTIVE GEOMETRY

Assistant-Professor Adam.

Junior Courses.

2. **Elementary Mechanical Drawing.** 3 hrs. lab.
Use of instruments, projection, isometric drawing, simple

machine details, timber, framing, tinting, tracing, and blue printing.

3. Freehand and lettering. 3 hrs. lab.

A course related to the subjects of Applied Science, comprising perspective views, dimensioned sketches and lettering.

4. Descriptive Geometry. 2 hrs. lect., 4 hrs. lab.

Geometrical drawing, orthographic and metric projection, section and developments, curved surfaces and tangent planes, shades and shadows.

5. Machine Drawing. 3 hrs. lab.

Preparation of working drawings from dimensioned sketces.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professor Boyle and Mr. MacLeod.

51. Theory of Direct Currents. 3 hrs.

Required of third year students in Electrical Engineering.

52. Direct Current Laboratory. 6 hrs. lab.

Operation of and experiments on storage batteries direct, current dynamos, motors, and motor-generating sets; use of measuring instruments, controlling and protective devices. Special attention is to be given to the preparation of reports on all work performed in the laboratory.

Required of third year students in Electrical Engineering.

53. Electrical Engineering. 2 hrs.

The laws of electromagnetism; continuous and alternating current flow in various circuits; characteristics of direct and alternating current machinery; the fundamental principles of electric lighting and power distribution.

Required of fourth year students in Civil and Mining Engineering.

54. Machine Design. 2 hrs.

The principles of stresses and strength of materials as applied to particular parts of machines and machine fastenings, such as bolts, nuts, keys, cotters, and riveted joints.

Text Book: Unwin, Machine Design, Part 1, (Longmans, Green).

Required of third year students in Electrical Engineering.

55. Mechanics of Machines. 2 hrs. lect., 1 hr. lab.

Discussion of and problems on the principles involved in the design of gear trains, gear teeth, valves, valve gears, valve diagrams, etc.

Text Book: Schwamb and Merrill, Elements of Mechanism (Wiley).

Required of third year students in Electrical Engineering.

56. Mechanical Drawing. 3 hrs. lab.

Preparation of working drawings, tracings, etc., the principles discussed in the lectures on Mechanics of Machines being used to design cams, quick return motions, gear teeth, valves and valve gears.

Required of third year students in Electrical Engineering.

DEPARTMENT OF ENGLISH.

Professor Broadus, Assistant-Professor Gordon, Mr. Wallace.

Junior Courses:

1. Composition. 3 hrs.

Written and oral themes supplemented by study of selected texts. Students found deficient in the elements of composition are required to take, in addition to the above, a drill-course of two hours a week.

2. History of English Literature. 3 hrs.

Dixon and Grierson: The English Parnassus (Oxford). Broadus and Gordon: English Prose from Bacon to Hardy (Oxford). Moody and Lovett: History of English Literature (Scribner).

3. Composition. 3 hrs.

Written and oral themes on agricultural topics.

Senior Courses:

52. History of English Fiction. 3 hrs.

Lectures: Hopkins and Hughes, The English Novel before the Nineteenth Century (Ginn).

Selected Nineteenth Century Novels.

Cross, Development of the English Novel (Macmillan).

Not given 1919-20.

53. Shakespeare. 3 hrs.
Lectures and class discussion of selected plays.
(The Tudor Shakespeare.)

54. Composition. 3 hrs.
Written and oral themes on agricultural topics.

55. History of Literary Criticism. 3 hrs.
Lectures and class discussion of selected critical essays.
Saintsbury: Loci Critici. (Ginn).
Dryden: Dramatic Essays. (Dent).
English Critical Essays. (Oxford).

56. The Romantic Movement: Thomson to Wordsworth. 3 hrs.
Lectures and class discussion.
Bernbaum: English Poets of the Eighteenth Century, Scribner).
Wordsworth: Poetical Works. (Oxford).

57. Studies in the Poets of the Romantic Period: 3 hrs.
Scott, Coleridge, Byron, Shelley, Keats.
Lectures and class discussions.
Editions in the World's Classics (Oxford). 3 hrs.
Open only to students who have taken 56.

58. Browning and Tennyson. (Macmillan). 3 hrs.
Lectures and class disscussion. Not given 1919-20.

59. Studies in the Nineteenth Century Prose: 3 hrs.
Newman, J. S. Mill, Carlyle, Ruskin and Arnold.
Lectures and class discussion based on selected essays.

Honors Courses.

Group A.

102. Elizabethan Drama. 3 hrs.
Critical study of the major contemporaries of Shakespeare.
Neilson: The Chief Elizabethan Dramatists. (Houghton Mifflin).

103. Spenser and Milton. (Oxford.)
Selections from Milton's prose in the Carisbrooke Library, (Routledge).
Open only to students who have taken 102.

Group B.

104. History of the English Language and Old English Language. **3 hrs.**

Emerson: History of the English Language. (Macmillan).
Sweet: Anglo-Saxon Primer. (Oxford).
Chambers and Wyatt: Beowulf, (Cambridge University Press).

105. Middle English Literature and Chaucer. 3 hrs.
Emerson: Middle English Reader. (Macmillan).
Chaucer: Works. (Oxford).
Open only to students who have taken 104.

DEPARTMENT OF FIELD HUSBANDRY

Professor Cutler.

Junior Courses.

1. Field Husbandry. 2 hrs. lect., 2 hrs. lab.

(a) Principles underlying the growth of crops and the means by which man may control the important factors in crop production. Study of the seed, germination and plant growth, the soil and its characteristics; the climate as it affects plant growth; the choice of crops, their classification, culture, peculiar characteristics, and economic qualities; tillage and rotation practices best suited to the climate and soil conditions of Alberta.
(b) Seed judging.

2. Field Husbandry. 2 hrs. lect., 2 hrs. lab.
(a) Farm Crops: Cereals, clovers, grasses, alfalfa, fodder and root crops.
(b) Judging and commercial grading of grains.
(c) Soil management.

Senior Courses.

51. (a) Plant Breeding. 3 hrs. lect., first half.
(b) Seed Distribution.

52. Soil Management and Crop Investigations.
2 hrs. lect., 2 hrs. lab., second half.

53. Problems in Crop Production in Alberta.
2 hrs. lect., 2 hrs. lab., second half.

54. Field Crop Judging. 2 hrs. lab., first half.

55. Field Crop Experimentation. 1 hr. lect., second half.

56. Thesis—One hour seminar. 1 hr., second half

DEPARTMENT OF GEOLOGY

Professor Allan and Miss Stewart.

Junior Courses.

31. Elementary Geology. 2 hrs., first half.

Geological processes including the relation of geology to agriculture.

First year Agriculture.

Senior Courses. 3 hrs. lect., 3 hrs. lab.

51. General Geology.

The processes of destruction and reconstruction; the larger physiographical features and stratigraphy of Canada; a study of the geological time scale; a brief study of the common minerals and rocks. Lectures will be illustrated by maps, lantern slides, models and specimens.

Open to third and fourth year students in Arts and Sciences.

52. General Geology. 3 hrs. lect., 3 hrs. lab.

A general survey, with emphasis on dynamical and structural geology.

Required of third year students in Applied Science.

53. Mineralogy and Petrology. 3 hrs. lect., 3 hrs. lab.

(a) Principles of crystallography; determination of certain common minerals and metals.

(b) A systematic study of the chief rock types.

Open to third and fourth year students in Arts and Sciences.

54. Mineralogy.

2 hrs. lect., first half; 1 hr. lect., sec. half; 3 hrs. lab.

Descriptive and determinative mineralogy and crystallography.

Physical and blow-pipe analyses.

Required of third year students in Mining Engineering.

55. Stratigraphy. 3 hrs. lect., 3 hrs. lab.

Discussion of principles of stratigraphy; special attention to the stratigraphy of North America with index fossils from each of the periods; interpretation of geological maps.

Open to third and fourth year students in Arts and Sciences who have taken or are taking Geology 51.

56. Petrology. 1 hr. lect., 3 hrs. lab., first half.

The composition and megascopic characters of the important rock types.

Required of fourth year students in Mining Engineering.

57. Petrography. 1 hr. lect., 3 hrs. lab., second half.

Practical application of the polarizing microscope; optical properties of rock forming minerals; microscopic determination of important rock types.

Required of fourth year students in Mining Engineering, and open to advanced students in Arts and Sciences.

58. Mineral Deposits. 3 hrs. lect., 3 hrs. lab., sec. half.

Classification of ore deposits; mode of occurrence and geological relations of various types of mineral deposits, particularly in North America.

Required of fourth year students in Mining Engineering.

59. Clays and Clay Products.
1 hr. lect., 3 hrs. lab., first half.

Origin, occurrence and properties of clay resources, particularly in Western Canada; the products manufactured from clay, shale and marl; testing clays, and making and burning brick, tile and sewer pipe.

Required of fourth year students in Mining Engineering.

60. Geological Colloquium. 1 hr., first half.

Reading and discussion of various works and reports on Geology.

Required of fourth year students in Mining Engineering.

61. Canadian Geology. 1 hr. lect., sec. half.

Description of geology and mineral resources of Canada.

Required of third year students in Mining Engineering.

62. **Paleontology.** 3 hrs. lect., 3 hrs. lab.
Principles of classification; comparison with modern forms; representative fossils in each phylum.
Open to fourth year students in Arts and Sciences who have completed Geology 51.

Honors Courses.

101. **Canadian Geology.**

102. **Stratigraphical Geology.**

103. **Petrography.**

DEPARTMENT OF HEBREW

Dr. Thomas.

Senior Courses.

51. **Elements of Hebrew.** 3 hrs.
52. **Old Testament Historical Literature.** 3 hrs.
53. **Selected Readings from Prophetic Books.** 3 hrs.

DEPARTMENT OF HISTORY AND POLITICAL ECONOMY

President Tory, Professor MacGibbon, Assistant Professor Burt, and Mr. Long.

Junior Courses.

1. (a) **The British Colonial Period.** 1 hr.
Comparison of the British and Colonial Constitutions.
(b) **General History.** 2 hrs.
Outlines of general history from the Renaissance to the present day.

2. **British History.** 3 hrs.
From the Tudor period to the present day.

Senior Courses.

In Senior Courses in History, periodical essays are required from all students.

53. **European History.** 3 hrs.
From the Barbarian invasions to the fall of the Hohenstaufen.

54. European History. 3 hrs.
From the Renaissance to the end of the wars of religion.

55. General History. 3 hrs.
From the Thirty Years' War to the fall of Napoleon.

56. General History. 3 hrs.
From the Congress of Vienna to the present day.

57. English Constitutional History. 3 hrs.

58. Canadian Political and Constitutional History. 3 hrs.

59. Principles of Economics. 3 hrs.
A general introduction to the study of political economy.

61. Ancient Oriental History. 3 hrs.

62. Political Systems of Modern Continental Europe. 3 hrs.
From the French Revolution to the present day.
Not given, 1919-20.

63. Political Systems of the Americas and of the Far East (China and Japan). 3 hrs.

64. Trade and Transportation. 3 hrs.

65. Labor and Industrial Problems. 3 hrs.
(Courses 64 and 65 may be taken concurrently with course 59.

66. Currency, Banking and Finance. 3 hrs.

67. Public Finance and Taxation. 3 hrs.

Honors and Graduate Courses.

101. English History, 1603—1660. 3 hrs.

102. European History, 1789—1815. 3 hrs.

DEPARTMENT OF HORTICULTURE

Mr. Harcourt.

Junior Course.

1. Horticulture. 1 hr.

DEPARTMENT OF HOUSEHOLD ECONOMICS

Miss Patrick.

Junior Courses.

1. **History of Home Life.** 1 hr.

2. 6 hrs. lab.
Materials found in the home, (wood, metals, textiles); home nursing.

Senior Courses.

51. **Lectures and Laboratory Work.** 6 hrs.

52. **Lectures and Laboratory Work.** 6 hrs.

DEPARTMENT OF MATERIA MEDICA

Professor Gaetz.

Senior Courses.

1. 4 hrs. lect.
Official inorganic and synthetic drugs, and drugs of plant and animal origin.

2. **3 hrs. lect.**
The more important unofficial drugs and a more minute study of some official drugs than in course 1.

3. 1 hr. lect.
A course for medical students; dealing with the more important drugs and preparations in the British Pharmacopoeia.

DEPARTMENT OF MATHEMATICS

Professor Sheldon, Assistant-Professor Killam, Mr. Race, Mr. Robinson and Mr. Cook.

Junior Courses.

1 and 2. Elementary Mathematics.

1. **Lectures in Geometry, Algebra and Trigonometry.** 3 hrs.
Text Books: Whitehead, Introduction to Mathematics, and Young and Morgan, Elementary Mathematical Analyses. Collateral reading.

1. **Advanced Section.** 3 hrs.
The most fundamental topics in Mathematics 1 and 7.

2. **The Technique of Mathematics 1.** 3 hrs.
Text book: Saxelby, An Introduction to Practical Mathematics.
Required of first year students in Architecture and of

students taking Mathematics 1 in preparation for Engineering.

For other students taking Mathematics 1, an additional hour per week of training in technique is provided.

3. College Algebra. 4 hrs.

4. Solid Geometry. 3 hrs., first half.

Text book: Betz and Webb, Solid Geometry.

5. Spherical Trigonometry.

Text books: Young and Morgan, Elementary Mathematical Analysis; Murray, Spherical Trigonometry.

6. Elementary Mathematics, Mechanics. 2 hrs., first half.

7. College Algebra and Geometry. 3 hrs.

Text books: Smith and Gale, New Analytic Geometry; Hawkes, Higher Algebra.

8. Analytic Geometry.

9. Calculus. 3 hrs.

Text books: Mercer, Exercises; Davis-Brenke-Hedrick, The Calculus.

11. Mechanics. 3 hrs.

31. Elementary Agricultural Mathematics. 3 hrs.

Text book: Clapham: Arithmetic for Engineers.

33. Agricultural Mathematics,

As in the early chapters of Wolff, Mathematics for Agricultural Students.

36. The Mathematics of Pharmacy.

41. Elementary Commercial Mathematics.

42. The Mathematics of Investments.

Advanced Courses.

Students in the Faculty of Arts and Sciences who intend to read for honors are required to take in the first year Mathematics 1, Advanced Section, and in the second year, Mathematics 51.

Senior Courses.

51.	**Calculus and Analytic Geometry.**	3 hrs.
52.	**Advanced Calculus.**	3 hrs.
53.	**Astronomy.**	3 hrs.
54.	**Advanced Mechanics.**	2 hrs. first half.
55.	**Elementary Mathematical Statistics.**	3 hrs.
56.	**Vector Analysis.**	3 hrs.

Honors Courses.

101. Elementary Theory of Functions.

102. Graphical Methods.

103. Solid Analytical Geometry.

104. Projective Geometry.

105. Theory of Functions.

106. Higher Algebra.

Graduate Courses.

Courses for the Master's Degree may be arranged in conference with the head of the department.

DEPARTMENT OF MINING ENGINEERING

Mr. Cameron.

Senior Courses.

Courses 52-56 are required of third year students in Mining Engineering; courses 57-62 of fourth year students.

52. Ore Dressing. 2 hrs. lect., sec. half.

Theoretical considerations affecting separations and concentrations, mechanical operations involved, ore dressing machinery and apparatus, breakers, screens and classifiers, jigs, vanners, tables, etc. The course to be continued into the fourth year.

53. Mine Survey School.

A series of trips about the local mines to study at first hand the different methods of mining. Detailed reports

on each mine visited will be required of each student with sketches and diagrams of objects of special interest. The work will include a short underground survey course.

54. Assaying. 1 hr. lect., first half., 3 hrs. lab.

Lectures and laboratory work. Furnace balances and other apparatus used in assaying. Sampling and preparation of ores for assaying. Laboratory work in the assay of gold, silver, copper, lead, etc., ores; of bullion, mattes and slags.
Text book: Fulton, A Manual of Fire Assaying.

55. Metallurgy. 2 hrs. lect., 3 hrs. lab., sec. half.

Study of metallurgical fuels. Methods of the preparation of coke for blast furnace use, occurrence, preparation and use of liquid and gaseous fuels; calorimetry and pyrometry; alloys of metals; occurrence, preparation and use of refractory materials.

56. Mining Engineering. 1 hr. lect.

Principles and practices of mining, with special reference to coal mining, earth excavation, explosives and blasting; drills and drilling; gold washing and dredging, hydraulic mining; quarrying and open cut mining; deep drilling, etc. The course to continue into the fourth year.

57. Metallurgy. 2 hrs. lect., 3 hrs. lab., first half, 2 hrs. lect., sec. half.

Metallurgy of iron and steel. Metallurgy of copper, lead and zinc.

58. Mining Engineering. 3 hrs. lect., first half.

Shaft sinking, drifting, underground development, timbering, hauling, hoisting, drainage and pumping, lighting and ventilation, general mine and plant design, administration, examination and valuation of mines, etc. A continuation of the third year work.

59. Mining Machinery. 3 hrs. lect., sec. half.

Machinery of haulage, hoisting, pumping, ventilation, power plants, mine and mill buildings, compressors, etc. Head frames and tipples, ore bins, etc.

60. Mine Design. 3 hrs. lab., sec. half
Layout and plant equipment for a mine. Specifications and construction, approximate dimensions, capacities and costs.

61. Ore Dressing and Milling.
2 hrs. lect., first half, 3 hrs. lab., sec. half.
Crushers and concentrating machines, coal breakers and coal washing, stamp milling, amalgamation and cyanidation of gold and silver ores, etc. A continuation of the third year course.

62. Mining Colloquium. 1 hr., sec. half.
Reading and discussion of papers on metallurgy, mining and ore dressing.

DEPARTMENT OF MODERN LANGUAGES

Professor Kerr, Professor Coar, Mr. Bickersteth, Mr. Sonet and Mr. Pelluet.

Students entering the University wishing to take French or German, but without training in these languages, will enrol in French 31 or German 31, as specified below. The satisfactory completion of these courses, (along with the "32" courses in the second half) will admit students selecting either or both of these languages as their language options to the regular courses of the second year.

FRENCH

Junior Courses.

1. Authors. 2 hrs.
Modern French stories, such as: Balzac, Le Colonel Chabert; Gautier, *Voyage en Espagne;* Daudet, *Lettres de mon Moulin;* Bazin, *Les Oberlé.*
Course 1 constitutes with course 3 the French requirement of the First year for students who have matriculated in French.

2. Authors. 2 hrs.
French Drama of the Seventeenth Century such plays as Molière, *Le Misanthrope, Tartuffe, Les Femmes Savantes;* Corneille, *Le Cid Polyeucte;* Racine, *Andromaque, Britannicus,*
Course 2 constitutes with Course 4 the requirement of

the second year for those who have matriculated in French.

3. Composition. 1 hr.

4. Composition. 1 hr.

31. Introductory French. 5 hrs., first half, 3 hrs., sec. half.
Forms, elementary syntax; oral work; easy prose authors.

32. Introductory French. 2 hrs., sec. half.
Prose composition; oral work.

41. Scientific French. 2 hrs.
(a) Authors, Labiche, *La Grammaire;* Bowen, *Scientific French Reader; J. Luquiens,* Popular Science.
(b) Composition. Kerr and Sonet, *French Grammar.*
Not given in 1919—20.

42. Continuation of French 41. 2 hrs.
(a) Authors. General and scientific texts.
(b) Composition. Kerr and Sonet, *French Grammar.*
Not given in 1919—20.

Senior Courses.

51. 3 hrs.
(a) 1. Eighteenth Century Literature. Authors, Lesage, *Turcaret;* Marivaux, *Comédies;* Beaumarchais, *Le Barbier de Séville; Voltaire, Contes Zaïre;* Rousseau, *Petits Chefs d'Oeuvres.* 2. Atopical study of French lyric poetry, Berthon's *Specimens of Modern French Verse;* Canfield, *French Lyrics.*
(b) Composition.
Not given in 1919—20.

52. Nineteenth Century Literature. 3 hrs.
Not given in 1919—20.

Honors Courses.

101 and 102. (Extending over two years). 3 hrs.
(a) Romanic Philology.
(b) Romanic Seminary.
Not given in 1919—20.

Graduate Courses.

Graduate students desiring courses in French should consult the head of the department.

GERMAN

Junior Courses.

1. **Authors.** 2 hrs.
Drei Kleine Lustspiele; Hatfield, *Shorter German Poems;* Raabe, *Die Schwarze Galeere;* Keller, *Kleider Machen Leute.*
Course 1 constitutes with Course 3 the German requirement of the first year for students who have matriculated in German.

2. **Authors.** 2 hrs.
Modern German short stories, with some reference to their stylistic qualities.
Course 2 constitutes with course 4 the German requirement of the second year.

3. **Composition.** 1 hr.
Grammatical review. Dictation and compositions based on the authors read in course 1.

4. **Composition.**
German Grammar and Composition. Review of accidence, etc., and study of word formation and syntactical peculiarities.
The compositions are based on the authors read in course 2.

31. **Introductory German.** 5 hrs., first half, 3 hrs., sec. half
Forms, elementary syntax, oral work, easy prose authors.

32. **Introductory German.** 2 hrs., sec. half.
Prose, composition and oral work.

41. 2 hrs.
Authors: Wildenbruch, *Das edle Blut;* Wallentin, Grundzeuge *der Naturlehre.*
Grammar: Meyer, *German Grammar.*
Not given in 1919—20.

42. 2 hrs.
Reading of general and scientific texts.
Not given in 1919—20.

Senior Courses.

51. 3 hrs.
(a) German life and literature in the 19th Century.

Text Book: Coar's *German Literature in the Nineteenth Century.*

(b) In alternate years, either history of German drama in the 19th Century; Text Books: Kleist, *Der Prinz von Homburg;* Grillparzer, *Sappho;* Hebbel, *Herodes und Mariamne;* Ludwig *Der Erbfoerster* or *die Maccabäer;* Sudermann, *Heimat;* Hauptmann, *Die Versunkene Glocke;*

or history of German novel in the 19th Century.

Text Books: Immermann, *Der Oberhof;* Freytag, *Soll und Haben;*

(c) Collateral reading, critical reports in English on the authors read, and summaries in German of the works read.

Spielhagen, *Hammer und Amboss;* Sudermann, *Der Katzensteg.*

Course 51 will not be given in 1919—20.

52. 3 hrs.

(a) German life and literature in the 18th Century. Text Book, Coar's *History of German Literature, Part I, Classicism.*

(b) In alternate years, *either* General study of Goethe's life and works down to and including his Italian journey.

Text Books: *Werther, Götz von Birlichingen, Egmont, Iphigenie auf Tauris, Tasso, Gedichte.*

or, General study of Schiller's life and works.

Text Books: *Kabale und Liebe, Wallenstein, Maria Stuart, Die Jungfrau von Orleans, Gedichte.*

(c) As in course 51.

Honors Courses.

101 and 102. (Extending over two years). 3 hrs.

(a) Germanic Philology: Historical Grammar, Reading of Middle High German texts. Paul, *Mittelhochdeutsche Grammatik.* Text Book for 1919-20, *Kudrun.*

(b) German Literature: Study in special field with thesis, discussions and reports. Either Lessing, or Goethe's *Faust.* Not given in 1919-20.

Graduate Courses.

Graduate students desiring courses in German should consult the head of the department.

DEPARTMENT OF PATHOLOGY

Dr. Revell and Dr. Collip.

Senior Courses.

51. General Pathology. 2 hrs. lect., 2 hrs. lab., first half; 2 hrs. lect., 3 hrs. lab., sec. half.

Causes of disease, morbid histology, inflammation, ulceration, healing, tumors, preparation of materials for the microscope, haematology and clinical microscopy.

52. Pathological Chemistry. 1 hr. lect., 2 hrs. lab., first half, 1 hr. lect., sec. half.

Chemical examination of body fluids and tissues.

DEPARTMENT OF PHARMACOLOGY

Dr. Collip and Dr. Bell.

Senior Course.

51. 1 hr. lect., 3 hrs. lab., first half. 1 hr. lect., 2 hrs. lab., sec. half.

A course in general Pharmacology.

DEPARTMENT OF PHARMACY

Professor Gaetz.

Junior Courses.

1. General. 4 hrs.

History and literature; metrology; operations and appliances; galenical preparations; plant constituents.

2. Prescriptions and Dispensing. 1 hr. lect.

3. Dispensing Pharmacy (for Medical students). 1 hr., sec. half.

4. Laboratory. 6 hrs. lab. 1 hr., sec. half.

Concurrent with Pharmacy 1 and 2 devoted to general technique; the manufacture of galenicals; typical alkaloidal extractions and assays; dispensing of prescriptions.

5. Laboratory. 6 hrs. lab.

Applied to the purification, analysis and synthesis of medicinal substances.

DEPARTMENT OF PHILOSOPHY

PHILOSOPHY

Professor MacEachran and Mr. Berry.

The Department reserves the right to make an an-

nouncement at the opening of the term regarding the courses which will be offered in Philosophy, Psychology and Education during 1919-1920. A sufficient number and variety of courses will be offered to meet the needs of students in the third and fourth years.

Junior Courses.

1. Psychology and Logic. 3 hrs.
An introduction to the general theory, with practice in psychological and logical analysis.

Senior Courses.

51. History of Philosophy. 3 hrs.
An outline of the history of thought from Thales to the present day.

52. The Philosophy of Morals and Religion. 3 hrs.
The evolution and philosophical basis of morals and religion.

53. Contemporary Philosophy. 3 hrs.
A study of recent tendencies in Idealism, Realism, Pragmatism and Evolutionism.

Honors Courses.

Candidates for honors will take courses 51 and 52, but a more intensive study will be required. In addition the following will be necessary:

101. Greek Philosophy. 2 hrs.
An advanced study of Plato and Aristotle.
Required of third year honor students.

102. Modern Philosophy (Idealism). 2 hrs.
An intensive study of Berkeley, Kant and Hegel.
Required of fourth year honor students.
Honor students will meet together once a week to discuss problems of contemporary philosophy. Selected readings and essays will be prescribed.

Graduate Courses.

Students in Philosophy who have taken the work of the senior classes may take the following course for the M.A. degree.

103. An advanced course in one of the following:

A period in the History of Philosophy, Logic, Ethics, Aesthetics, Metaphysics, the Philosophy of Religion.

PSYCHOLOGY

Junior Courses.

1. (See Philosophy). 2 hrs.

Senior Courses.

51. General and Social Psychology. 3 hrs.
Studies in the psychological basis of individual and social behaviour.

52. Comparative and Racial Psychology. 1 hr.
The evolution of mind and culture.

53. Medical Psychology. 1 hr.
The psychology of hypnotism, hysteria and insanity.

Honors and Graduate Courses.

Candidates for honors may take in addition to the general courses of the year one of the following, in which advanced and specialized work will be required.

101. Physiological Psychology.

102. Abnormal Psychology.

103. The Psychology of Religion.

104. Educational Psychology.

105. Experimental Psychology.
These may also be taken as graduate courses.

EDUCATION

Senior Course.

51. History and Philosophy of Education. 3 hrs.

DEPARTMENT OF PHYSICS

Professor Boyle, Mr. Smith and Mr. MacLeod

Junior Courses.

1. General Elementary Physics. 3 hrs.

2. Physics Laboratory. 3 hrs.
Associated with lecture course 1.

3. Properties of Matter and Heat. 3 hrs.

4. Sound and Light. 3 hrs.

5. Physics Laboratory. 3 hrs.
Associated with lecture courses 3 and 4.

6. Magnetism and Electricity. 3 hrs.

7. Physics Laboratory. 3 hrs.
Associated with lecture course 6.

8. General Physics—selected course. 3 hrs.

9. Physics Laboratory. 3 hrs.
Associated with lecture course 8.

Senior Courses.

Courses 6 and 8, with their associated laboratory work, may be considered as senior courses for those students of Arts and Sciences who have not previously taken such subjects after their first year.

51. Students desiring another senior course in Physics should consult the head of the department.

DEPARTMENT OF PHYSIOLOGY

Dr. Collip and the following demonstrators: Drs. Gray and Bell.

Junior Courses.

1. General Physiology. **2 hrs. lect., 2 hrs. lab., first half.**
2 hrs. lect., 4 hrs. lab., sec. half.

2. Biochemistry. 3 hrs. lect., 4 hrs. lab., first half.
3 hrs. lect., 7 hrs. lab., sec. half.

The study of colloids, carbo-hydrates, fats, proteins, enzymes, chemotaxis, fermentation and osmosis and biochemistry applied to digestion, blood, urine, milk and lymph.

Senior Courses.

51. Advanced Physiology. 3 hrs. lect., 3 hrs. lab.
The central nervous system and the special senses.

52. Clinical Physiology. 4 hrs. lab.
Conducted in the Strathcona Hospital; methods of examination of patients exemplified and practised; ample facilities afforded in the out-door department for individual student work.

DEPARTMENT OF RURAL ECONOMICS

Junior Courses.

2. Rural Economics.
Production, marketing, accounting.

Senior Course.

51. Farm Economics.

DEPARTMENT OF SOILS

Dr. Wyatt.

Junior Courses.

1. Soils. 3 hrs. lect., 2 hrs. lab.
Composition, properties, functions and management of soils.

DEPARTMENT OF SURGERY

Dr. Gray and Dr. Wilson (clinical demonstrator).

Senior Courses.

51. 1 hr. lect., 2 hrs. clin.
General principles of surgery and clinical instruction in inflammatory processes, sepsis, haemorrhage, hernia, surgical landmarks, history-taking, wounds, fractures, bandaging.

TOXICOLOGY

Professor Gaetz.

Junior Courses.

1. General. 1 hr., first half.
The nature and properties of poisons, their detection, and the application of "first aid" treatment.

DEPARTMENT OF VETERINARY SCIENCE

Dr. Talbot (special lecturer).

Junior Courses.

1. Elementary Agricultural Veterinary Science. 1 hr. lect.
Anatomy, physiology, materia medica.

2. Agricultural Veterinary Science. 1 hr. lect.
Medicine and surgery parasitology, obstetrics.

Senior Courses.

51. Advanced Agricultural Veterinary Science.

DEPARTMENT OF EXTENSION

Director, Albert Edward Ottewell, M.A.; Acting-Director, H. H. Gaetz; Extension Librarian, Jessie Fleming Montgomery, B.A.

This department is organized to help those unable to attend regular university classes and carries on work along the following lines:

EXTENSION LECTURES

Extension lectures were formerly given on various subjects by the members of the staff, and during the war a special effort was made to promote throughout the province an intelligent type of patriotism by arranging extension lectures on topics dealing with the war situation. With the return to peace conditions it is hoped to reorganize this service on a wider basis.

DIVISION OF DEBATING AND PUBLIC DISCUSSION

Outlines are published for the assistance of debaters and material on subjects of debates is lent by the University. This material is available to all residents of Alberta free of charge. To applicants from points outside of Province a charge of fifty cents is made for each package lent.

Material for debate has been prepared on the following subjects: Canadian Navy; Capital Punishment; Closed versus Open Shop; Co-education; Commission Government of Cities; Compulsory Military Service in Canada; Compulsory Military Training in Canada; Compulsory Social Insurance; Consolidated Rural Schools; Co-operative Banking, Co-operative Trading; Direct Legislation; Educational Qualification for Suffrage; Gary School Plan; Government Ownership of Railroads; Heredity versus Environment; Home Rule for Ireland; Imperial Federation; Literary Test for Immigrants; Military Training in Schools; Minimum Wage; Monroe Doctrine; Mothers' Pensions; Motion Pictures in Education, Place of; Municipal Ownership of Public Utilities; Oriental

Immigration; Parliamentary versus Presidential Form of Government; Peace versus War; Platform versus Press; Prohibition; Proportional Representation; Protection versus Free Trade; Public Defender; Reciprocity with the United States; Rural versus City Life; Simplified Spelling; Single Tax; Socialism; Tractor versus Horse; Trade Unions; Woman Suffrage.

The department has also in course of preparation debating material on the following subjects:

Armament versus Disarmament;
Excess Profit Taxes, Their Influence on Individual Initiative and Industry;
Intensive versus Extensive Development of Alberta;
League of Nations;
Religious Education in the Schools;
Responsibility of the State to its Citizens;
Soldier Settlement on the Land;
War Indemnities.

In addition, material has been provided on a large number of other subjects. A manual of instruction for debaters is also available.

In connection with this division a High School Debating League is organized year by year. Each year a large number of the high schools of the province has entered the league.

During the present year the organization was not proceeded with, but it is intended that this activity of the Department shall be resumed as soon as normal conditions are restored.

DIVISION OF TRAVELLING LIBRARIES.

Travelling libraries are lent to communities where no public libraries exist. For this purpose over seven thousand volumes are at present available. During the present session one hundred and thirty-four libraries have been in circulation. A special feature of this service is the open shelf list from which students may borrow individual volumes. A printed catalogue is supplied on application.

The department is extending this branch of its service and offers assistance to those who wish to do systematic reading in a particular field, literature, science, history, politics, sociology, etc. With the help of members of the University

Faculty outlines on the desired subject will be prepared and reference books will be furnished from the Open Shelf Library.

DIVISION OF VISUAL INSTRUCTION

This division consists of:

A. Lantern Slide Service. The department has a lantern slide library of about one hundred sets of lantern slides, to which additions are continually made, accompanied by printed or typewritten lectures, as well as over one thousand miscellaneous war slides. Payment of express charges and the making good of loss or breakage is the only expense for this service. A list of lantern slide sets may be had on application.

B. Moving Picture Film Service. A moving picture film service has now been inaugurated for a limited number of Pathescope machines. Communities desiring to avail themselves of this service are required to purchase machines whiich may be obtained through the Department of Extension for one hundred and seventy-five dollars. These machines can be used anywhere as they are self-contained and use non-inflammable films. The film service is provided upon a rental basis, full particulars of which will be furnished on request.

Any further information will be furnished upon application to—

THE DEPARTMENT OF EXTENSION,
University of Alberta,
Edmonton South, Alberta.

INDUSTRIAL LABORATORIES

James Alexander Kelso, M.Sc. (Queen's),
Director.

Cyprian Herbert Andrews, B.A. (Saskatchewan),
Assistant.

The Department of Industrial Laboratories operate fully equipped Chemical, Physical, Assay, Coal, Cement and Concrete Laboratories, etc., for the carrying out of all tests on materials. Investigations for the industries and for the development of the natural resources can be undertaken.

For complete information and schedule of fees apply to the Director.

DEPARTMENT OF CORRESPONDENCE COURSES.

Duncan Stewart MacKenzie,
Director of Teachers' Courses.

Janet M. McBratney,
Instructor in English, Latin, French and German.

Annie Norrington, B.Sc. (Manitoba),
Instructor in Science and History.

Mary McCuaig, B.A. (McGill),
Instructor in Mathematics.

The Correspondence Department offers instruction in the work of Grade XII. as laid down by the Provincial Department of Education. The object of the work is to encourage teachers who hold the Second Class certificate to pursue further academic study in preparation for the Grade XII. examination. The enrolment is normally restricted to teachers in active service in the public school system of the Province of Alberta.

Detailed information may be obtained on application to the Director of Teachers' Courses, University of Alberta, Edmonton.

Affiliated Colleges

ALBERTA COLLEGE SOUTH

Theological College of the Methodist Church..

Government.

The management and direction of Alberta College are vested in a Board of Governors appointed every four years by the General Conference of the Methodist Church and incorporated by Act of Parliament.

The officers of the Board are:
Chairman—H. R. Smith, M.D.
Secretary—C. E. Race, B.A., C.A.
Treasurer—W. T. Henry.

Executive Committee—H. R. Smith, M.D.; C. E. Race, B.A., C.A.; W. T. Henry; Rev. A. R. Aldridge, B.A.; E. W. Allin, M.D.; Rev. T. C. Buchanan, D.D.; H. H. Crawford, M.L.A.; A. T. Cushing, B.A.; J. F. Fowler; Rev. F. S. McCall, B.A.; C. F. Newell, K.C.; Jas. Ramsey, M.L.A.; Hon. H. C. Taylor, M.A., LL.B.; Rev. D. E. Thomas, Ph.D.; Rev. A. S. Tuttle, M.A.

Faculty.

Rev. A. S. Tuttle, M.A., (Mt. Allison),
Principal, Professor of Systematic Theology.

Rev. D. E. Thomas, B.A., (Nebraska); B.D., Ph.D., (Chicago).
Professor of Old Testament Languages and Literature.

Rev. Clyo Jackson, M.A., (Toronto).
Professor of New Testament Literature.

Miss Nettie Burkholder, B.A., (Victoria),
Lady Principal, Lecturer in Sciences.

Rev. S. R. Laycock, B.A., (Toronto); M.A., (Alberta),
Lecturer in Classics and Mathematics.

Mrs. Rose B. Thomas, B.A., (Nebraska),
Lecturer in English and History.

Mr. S. A. Francis,
Assistant in Mathematics.

(To be appointed).
Lecturer in Elocution and Oratory.

Courses of Study.

Preparatory. Thorough courses of instruction are given in all subjects leading to matriculation into the University of Alberta, and to the Departmental Examinations in Grades X. and XI., for teachers. These studies are also required for entrance upon the study of Theology.

Theological. (a) Ordinary: A three-year course of study in Theological branches including certain required and optional subjects in Arts in the University of Alberta. The diploma of the College is conferred upon the completion of this course.

(b) Graduates': A more exacting course designed for those who have completed an Arts course before entering upon the study of Theology.

(c) Degree Course: Additional studies leading to the Degree of Bachelor of Divinity, conferred by the University of Alberta.

All Theological courses in Alberta College are open to students of other denominations with no discrimination.

Residence.

The College has one of the best residence buildings in Canada, capable of housing about 125 students, located on University grounds in a most fortunate relation to the University community. During the war the Dominion Government has used this building as a Military Convalescent Home, but it is expected that it will be released in time for the College term of 1920-21. In the meantime the College is vigorously carrying on its work in quarters granted by the University.

During the last two years there has been a large increase in the number of students in the matriculation department. It offers an especially good opportunity to those who must make up two or three subjects to gain full matriculation, as these may be carried in addition to University subjects, and thus time saved.

ROBERTSON COLLEGE

Theological College of the Presbyterian Church.

This college was placed by action of the General Assembly of 1910 in connection with the Provincial University. The name, "Robertson College" was decided upon October 10th, 1911, to perpetuate the memory of the pioneer missionary, the Rev. James Robertson, D.D.

Government.

The management and direction of Robertson College are vested in a Board of Management and Senate, of which the following are the officers:

Board of Management.

Chairman—J. A. McDougall, Esq., Edmonton.
Vice-Chairman—R. J. Hutchings, Esq., Calgary.
Secretary—Hugh C. Anderson, Esq., Edmonton.
Treasurer—A. F. Ewing, Esq., B.A., K.C., M.L.A., Edmonton.

Senate.

Chairman—Rev. D. G. McQueen, D. D.
Temporary Registrar—Prof. J. M. Millar, D.D.

Faculty for 1919-20.

Rev. J. M. Millar, M.A., B.D., D.D.,
Principal,
Professor of English Bible, Homiletics, and Pastoral Theology.

Rev. A. T. Barnard, M.A., B.D.,
Head of Extra-Mural Department; Lecturer in Church History.

. . . . . .
Professor of Systematic Theology and Apologetics.

During the session 1918-19 Professor J. Dick Fleming, D.D., of Manitoba College, delivered courses in Systematic Theology, Apologetics, and Psychology of Religion. Arrangements for session 1919-20 will be announced later. Students also attend university lectures in specified subjects.

Courses.

Robertson College has for the past six years co-operated with Alberta College in Theology. This co-operative plan, which has proved highly successful, will be continued next session. Classes will begin on October 2nd, 1919. Calendars may be obtained from Dr. J. M. Millar.

Courses for the Degree of B.D.

The degree of B.D. is granted by the University. For information as to subjects of study, text books, fees, etc., apply to Mr. C. E. Race, B.A., C.A., Registrar of the University.

The Degree of D.D.

The degree of Doctor of Divinity is conferred "*Honoris Causa.*"

Extra-Mural Department

During the session 1918-19 eleven non-resident students weer registered in this department. Information about the various courses will be sent upon application to Professor A. T. Barnard. The courses are arranged to suit the needs of men who cannot attend college, and students receive individual attention.

Library.

The library contains 4,000 volumes and is available for students, missionaries, missionary societies and ministers.

Residences.

Robertson College occupies at present three college houses in Edmonton South, purchased by the Board of Management and furnished by the efforts of the Women's Guild. Application for rooms for the session of 1919-20 should be made at once to Professor J. M. Millar, who should also be communicated with by those desiring calendars containing complete information about Robertson College.

During the session 1918-19 the number of students registered was eleven. Two men graduated in Theology at the Spring Convocation, and two more are expected to complete their studies extra-murally during the summer of 1919.

ST. AIDAN'S COLLEGE.

Theological College of the Anglican Church.

This college, operating under the authority of the Synod of the Anglican Diocese of Edmonton, has been affiliated with the Provincial University, by resolution of the Senate, May 15, 1919.

Information regarding courses may be obtained on application to the Warden, the Right Reverend Henry Allen Gray, M.A., D.D., LL.D., Bishop of Edmonton.

AFFILIATED PREPARATORY SCHOOLS

Under the regulations of the Senate, preparatory schools and colleges which send students to the University Matriculation Examinations are affiliated with the University.

Under this arrangement the following are affiliated institutions:

Western Canada College, Calgary.
Alberta College, Edmonton.
Robertson College, Edmonton.
Westward Ho! College, Edmonton.
Mount Royal College, Calgary.
The University School, Calgary.
Alberta College (North), Edmonton.
Llanarthney School for Girls, Edmonton.

Students of the University of Alberta

SESSION 1918—19

A—Faculty of Arts and Sciences; S—Faculty of Applied Science; M—Faculty of Medicine; L—Faculty of Law; P—Pharmacy; Ag—Faculty of Agriculture; D—Divinity; H Ec—Household Economics; Cor—Correspondence, Grade XII.

The numbers refer to the year.

c—conditioned student; p—partial student; sp—special student; gr—graduate student; r s—returned soldier, taking Agriculture, five months' course.

Abbott, E. . . . . c A 2
Adams, W. D. . . . . r s
Addison, S. H. . . . . r s
Adorak, J. M. . . . . r s
Ahenakew, E. . . . . c M 1
Albright, Mrs. . . . . L 4
Alexander, Miss. M. J. sp A 1
Allan, I. B. . . . . r s
Allen, G. H. . . . . L 1
Anderson, E. H. . . . . A 3
Anderson, Miss, E. I. . . . A 4
Anderson, Miss M. M. . . A 1
Anderson, P. I. . . . . A 4
Arkin, J. I. . . . . c A & L 1
Armstrong W. M. . . . . A 4
Ash, A. . . . . r s
Atkin, G. D. . . . . L 2
Atkinson, W. G. . . . . L 3
Attwood, E. J. . . . . r s
Aylwin, A. P. . . . . c A 2
Bainbridge, S.. . . . . A 2
Baker, A. G. . . . . c L 1
Bakewell, Miss E. G. . . . A 3
Bangs, C. L. . . . . r s
Banks, C. W. . . . . A & M 2
Barclay, Miss H. K. M. . . L 2
Barnecut, F. J. . . . . A 2
Barnecut, R. . . . . S 1
Barnes, E. . . . . r s
Barnes, S. . . . . Ag 1
Barron, R. A. . . . . L 1
Basarab, J. E. . . . . L 1
Battrick, H. M. . . . . r s
Beamish, E. . . . . sp A 3
Beddington, W. . . . . r s
Belcher, A. R. . . . . L 2
Bell, Miss C. M. . . . . c A 4
Bell, N. F. . . . . sp Ag 3
Bell, W. W. . . . . c M 1
Benke, F. W. . . . . sp A 2
Benney, F. H. . . . . L 1
Benning, C. A. J. . . . . r s
Berman, D. . . . . M 1
Bissell, Miss I. B. . . A & L 2
Black, Miss L. Y. . . . . A 1
Blow, H. F. . . . . sp A 1
Blow, Miss W. E. . . . . A 2
Borland, Miss M. E. . . c M 1
Botsford, Mrs. G. H. . . Cor.
Bowman, Miss M. . . . . gr A
Boyaner, S. . . . . L 1
Boyce, H. . . . . sp P 1
Bradley, Miss D. . . . . sp A 1
Bradly, W. . . . . r s
Brandow, C. E. . . . . Cor.
Bremer, Miss E. M. . . . . A 4
Broadus, K. H. . . . . A 1
Brockington, L. W. . . . . L 4
Brodie, I. H. . . . . M 2
Brown, K. F. . . . . sp A 1

Brown, P. S. . . . . c M 1
Brown, W. R. . . . . r s
Bruegmann, H. . . c A & L 2
Bryenton, P. R. . . . . L 4
Buchanan, N. V. . . . . L 1
Buckingham, E. H. . . . Ag 1
Buckley, G. F. . . . . Ag 2
Budd, W. S. . . . A & L 2
Burgess, W. D. . . . . c A 1
Burley, A. E. . . . . L 2
Butchart, Miss T. V. . . . A 1
Cain, Miss A. R. . . . . sp A 1
Cain, Miss P. U. . . . . sp A 1
Cain, Miss R. U. . . . . A 4
Caldwell, A. L. . . . . M 3
Cameron, J. A. . . . . A 1
Campbell, Dugald . . . . L 2
Campbell, Duncan, ... r s
Carmichael, H. C. . . . . c S 1
Carmichael, Miss M. . . Cor.
Carscallen, W. F. . . . . M 2
Carswell, C. F. . . . . L 2
Cashman, Miss W. I. . . c A 1
Cato, Miss E. M. . . . . A 4
Chadsey, L. . . C. c A & M 1
Chambers, T. McG. . . . r s
Charlesworth, G. S. A & M 1
Chesney, W. . . . . M 2
Chesnut, W. O. . . . . c M 1
Christenson, C. P. . . . c M 1
Christie, G. . . . . r s
Chrystal,, Miss C. . . . . A 3
Clark, G. H. . . . . A 3
Clark, G. . . . . sp A 3
Clarke, Miss P. M. . . . c M 1
Cleland, R. H. . . . . c A 1
Clelland, J. . . . . r s
Clements, W. J. . . c A & M 1
Cobbledick, D. W. . . . . L 2
Cobbledick, L. H. . . . . A 2
Colquhoun, Miss H. . . c A 1
Cook, A. J. . . . . A 3
Cooke, Miss A. E. . . . . A 2
Coonan, G. A. . . . . r s
Cooper, E. M. . . . . M 2
Corbett, J. R. . . . . M 3
Corbett, T. E. . . . . M 2
Craig, Miss G. . . . . A 3
Craig, J. . . . . r s
Craig, K. L. . . . . c M 1
Crosby, G. C. S. . . . . L 1
Crowley, D. . . . . r s
Currie, N. T. . . . . r s
Dafoe, L. G. . . . . L 3
Dake, Miss B. I. . . . . c A 2
Daly, C. . . . . Cor.
Darling, E. C. . . . . c L 2
Davidson, J. R. . . . . A 2
Davies, J. A. . . . . c A & L 1
Davies, W. D. . . . . r s
Davis, E. N. . . . . A 2
Dawson, P. . . . . r s
De Silva, Miss H. B. . . A 2
Devall, S. . . . . r s
Dickins, F. C. . . . . L 1
Dickson, H. F. . . . . c A 2
Dickson, R. G. . . . . c S 1
Dimelow, J. . . . . r s
Disbury, F. W. . . . . r s
Dobry, Miss C. A. c A & L 2
Dodds, G. E. . . . . r s
Doherty, C. V. . . . . L 3
Donaldson, A. . . . . S 2
Dorrance, W. J. . . . . M 3
Doughty, J. L. . . . . Ag 1
Douglas, Miss R. R. . . Cor
Dowsett, P. . . . . r s
Drader, Miss N. B. . . c A 2
Drummond, J. . . . . r s
Duclos, Miss G. F. . . . A 2
Duffield, J. J. . . . . r s
Duncan, Miss G. H. . . . A 3
Dunham, Miss A. . . . . A 4
Dunham, W. . . . . A 3
Dunlop, R. H. . . . . Ag 1
Dunn, J. . . . . r s
Dunne, P. M. . . . . L 3

Dyer, T. M. . . M & Dent 1
Edwards, D. S. . . . . r s
Edwards, Miss H. S. . . . A 4
Edwards, J. H. . . . . r s
Einarson, G. . . . . A 2
Elder, Miss H. F. . . . . L 1
Elliott, S. G. . . . . M 1
Ellis, G. C. . . . . sp A 1
Ellis, Miss L. M. . . . . Cor
Elvidge, A. R. . . . . Ag 1
Emery, E. D. . . . . M 2
Emery, H. T. . . . . A & L 3
Erickson, A. W. . . . . r s
Erskine, Miss F. P. . . H Ec 1
Erskine, W. . . . . r s
Evans, Miss L. . . . . Cor.
Ewers, A. W. . . . . L 1
Ewing, Miss E. A. . . . . Cor
Farley, T. . . . . r s
Fell, H. . . . . r s
Fergusson, Miss K. . . . . A 3
Fergusson, Miss L. M. . . A 2
Field, T. H. . . . . M 3
Filmer, Miss E. M. . . Cor
Fish, F. H. . . . . M 3
Fishbourne, H. W. . . . . r s
FitzSimmons, R. D. A & L 2
Flack, G. L. . . . . Ag 3
Flack, S. G. . . . . Cor.
Flater, Miss A. L. . . . . p A 1
Fleming, R. A. C. . . . . P 2
Fleming, W. M. . . . . Ag 3
Force, Miss E. . . . . Cor
Ford, Miss F. K. . . . . A 1
Ford, F. A. . . . . A 1
Foster, J. . . . . r s
Fournival, E. . . . . r s
Fowler, A. . . . . r s
Francis, A. C. . . . . A 2
Francis, Miss R. B. . . . . A 3
Fraser, Miss B. K. . . . . A 3
Fraser, Miss C. McP. sp A 1
Fraser, H. B. . . . . L 4
Fraser, Miss L. M. . . H Ec 1
Fraser, Miss O. D. . . . c A 1
Fraser, Miss I. B. . . . . sp A 1
Frith, Miss D. N. . . . . sp A 1
Fryers, Miss B. M. . . . . Cor
Fuller, E. L. . . . . gr A
Fuller, Miss I. E. . . . . c A 2
Fuog, Miss A. . . . . A 2
Gaetz, H. R. . . . . p A 2
Gaines, Miss E. M. . . Cor
Galbraith, L. . . . . A & S 3
Gallay, Miss M. . . A & L 2
Garden, G. . . . . r s
Gardiner, Miss B. D. . . A 2
Gardiner, E. W. . . . . A 2
Gardiner, A. . . . . r s
Garrioch, H. G. . . . . M 2
Garrison, Miss D. . . . . A 2
Garside, T. E. . . . . L 3
Gartrell, E. . . . . r s
Gavin, T. R. . . . . r s
Geeson, J. R. . . . . gr D
German, L. E. . . . . M 2
Gidman, W. O. . . . . S 1
Giffen, A. D. . . . . S 1
Giffen, Miss B. . . . . A 2
Giles, Miss M. C. . . A & L 2
Gillies, M. . . . . r s
Gillis, Miss N. . . . . M 1
Gilmour, Miss J. F. . . c A 1
Gliddon, F. . . . . r s
Glover, W. . . . . r s
Colledge, J. B. . . . . r s
Good, L. . . . . sp A 2
Goshko, M. . . . . c A 1
Graham, Mrs. F. L. . . . . M 2
Gratz, R. P. . . . . Ag 2
Gray, F. W. . . . . A 2
Green, C. E. . . . . P 1
Green, G. . . . . r s
Grimmett, Miss K. E. . . c M 1
Grimmett, R. S. . . . . M 2
Grimmett, T. T. . . . . L 4
Gundesen, C. N. . . . . M 2
Gunn, W. G. . . . . r s

Hackett, C. . . . . r s
Hagerman, T. H. . . . . Ag 3
Hall, I. V. . . . . M 1
Hall, Miss M. I. . . . . A 2
Hall, W. E. . . . . L 2
Hamer-Jackson, Mrs. C. Cor
Hamilton, Miss J. M. A & M 2
Hamman, H. A. . . . . c M 1
Hammer, Miss N. A. . . H Ec 1
Hanna, Miss M. L. . . . . A 3
Hardin, N. M. . . . . c A 1
Harris, J. . . . . r s
Harrison, J. E. . . . . M 1
Harvey, A. B. . . . . A 4
Hawkes, V. L. . . . . Cor
Henderson, E. F. . . . . M 3
Henderson, Miss F. C. . . A 3
Herndon, Miss E. L. . . Cor
Hetland, E. A. . . . . c A 1
Hibbard, Miss A. . . . . A 2
Hibbard, R. J. B. . . . . M 1
Hiebert, C. J. . . . . c L 2
Hinson, A. . . . . r s
Hird, J. . . . . r s
Holland, J. H. . . . . r s
Hollies, E. G. . . c A & M 2
Hollies, Miss M. K. . . . . A 4
Hollinshead, G. F. . . . .c A 2
Holmes, Miss G. V. . . M 2
Hood, Mrs. J. E. J. . . Cor
Hoover, J. N. . . . . M 1
Hotson, Miss H. J. . . . . A 3
Hotson, Miss M. H. . . . . A 4
Hull, Miss L. M. . . . . A 3
Hunt, Miss M. F. . . . . Cor
Hunter, E. . . . . c S 1
Hunter, J. A. P. . . . . Ag 1
Hurlburt, H. S. . . . . L 3
Husband, Miss L. E. . . c A 2
Hustler, G. F. . . . . p A 3
Hyde, J. S. . . . . sp A 1
Iddings, Miss T. A. . . c A 1
Irving, Miss D .V. . . . sp A 2
Irving, Miss M. L. . . . . A 3
Irwin, J. H. . . . . r s

Jackson, Miss G. . . . . A 2
Jackson, J. L. . . . . M 2
Jacobson, W. L. . . . . Ag 2
Jaffary, S. K. . . . . S 2
James, Miss N. . . . . A 2
James, T. H. . . . . r s
Jamison, Miss G. . . . . sp A 1
Jarrett, G. S. . . . . c S 1
Jensen, J. C. E. . . . . c A 1
Jerome, J. . . . . r s
Jenson, F. . . . . r s
Johnson, Miss E.A.L. . . Cor
Johnson, Miss G. . . . . A 3
Johnson, J. A. . . . . r s
Johnathan, J. . . . . r s
Jones, E. . . . . S 1
Jones, F. W. . . . . M 2
Jones, I. . . . . A 1
Jones, J. I. . . . . L 1
Jones, J. T. . . . . A 2
Jones, L. . . . . r s
Jones, R. E. . . . . c M 1
Kain, I. J. . . . . Cor
Kane, E. W. C. . . . . L 1
Keith, Miss H. D. . . . . sp A 1
Kelly, Miss Q. B. . . . . A 2
Kelly, W. A. . . . . A & L 2
Kemp, E. G. . . c M & Dent. 1
Kent, Miss M. E. . . A & M 1
Kerr, M. S. . . . . gr A
Kibzey, A. T. . . . . M 2
Kingsbury, Miss E. G. . . p A 1
Kingston, Miss S. J. . . Cor
Kinloch, D. . . . . r s
Kinsey, T. J. . . . . r s
Kirkpatrick, R. A. . . . . c A 1
Knight, A. M. . . . . L 3
Kostash, H. A. . . . . c S 2
Kronick, I. R. . . . . L 1
Kruger, W. C. . . . . M 1
Lackey, Miss M. . . . . A 4
Laing, J. . . . . r s
Lamont, D. . . . . r s
Lang, J. W. . . . . c M 1
Lawrence, G. E. . . . . r s

Lawrence, Miss B. . . . . A 2
Lawson, Miss E. M. . . Cor
Lawyer, R. . . . . r s
Lebourveau,, H. B. . . . . A 1
Lee, Miss V. V. . . . . A 4
Lehmann, J. F. . . . . A 3
Levisohn, J. . . . . r s
Lilley, B. . . . . r s
Little, A. . . . . r s
Little, H. B. . . . . c A 2
Lonsdale, T. H.. . . . . gr D
Looker. C. . . . . r s
Lowe, H. F. . . . . r s
Luchkovich, M. . . . . L 1
Lyster, P. A. M. . . . . M 2
Lyttle, R. H. . . . . sp A 1
McAllister, C. B. . . . . Ag 1
MacBride, C. D. . . . . M 3
McBride, J. B. . . . . L 4
McClellan, W. N. . . . . P 1
McCusker, C. . . . . r s
McCuther, H. . . . . Ag 1
McDicken, M. . . . . r s
Macdonald, H. J. . . . . A 2
MacDonald, Miss J. E. .c A 1
MacDonald, J. A. . . sp A 1
MacDonald, N. D. . . . gr D
McEwan, J. . . . . r s
McFarland, Miss C. . . . . A 3
McFarlane, Miss I. B. . . L 1
McIntosh, Miss J. L. . . . . A 2
McKay, W. A.. . . . . M 1
McKee, W. B.. . . . . M 3
McKercher, L. E. . . . . c L 2
McKinnon, Miss E. C. H Ec 2
McKitrick, Miss E. A. . . c A 1
MacLaren, R. F. . . . . L 1
McLaughlin, Miss C. E. . . A 2
McLaughlin, Miss I. E. . . A 2
McLaurin, C. C. . . . . L 1
McLean, Miss M. E. . . . M 2
McLennan, Miss S. I. . . A 2
MacLeod, Miss A. L. . . A 4
McLeod, D. A. c M & Dent 1
McLeod, E. C. . . . . M 2
MacLeod, M. . . . . c A 2
MacNab, Miss M. . . . . c A 1
McNamara, Sr. B. A. . .gr A
McNamara, Sr. M. E. . . gr A
McNaught, R. A. . . . . A 3
McNutt, A. N. . . . . c L 1
McPherson, N. . . . . r s
McQueen, Miss C. C. . . A 1
McQueen, Miss J. . . . . A 1
McQueen, R.. . . . . A 4
McRae, A. L. . . . . c M 1
Mahaffy, J. D. C. . . . . A 2
Malcolmson, Miss A. N. . . A 2
Manning, A. H. . . . . A 1
Mardon, C. H. . . . . r s
Martin, C. C. . . . . P 1
Martin, J. R. . . . . Ag 2
Martin, W. A. . . . . r s
Martin, Miss W. A. . . . . A 3
Mascinch, W. . . . . c M 1
Matthews, A. W. . . . . c P 2
Mattinson, G. . . . . r s
Mayer, H. J. . . . . M 2
Melling, P. . . . . M 1
Meneely, A. H. . . . . c M 1
Menzies, E. C. . . . . c M 1
Midwinter, D. R. . . . . A 3
Millar, E. J. . . . . M 2
Miller, J. . . . . r s
Milton, A. J. D. . . . . sp A 2
Miskew, P. A. . . . . c A 1
Mitchell, Miss M. W. c H Ec 1
Mooney, Miss A. M. . . . M 3
Moore, A. G. . . . . Ag 1
Moore, G. G. L. . . . . A 2
Morecombe, P. F. . . . . A 4
Morley, J. . . . . r s
Morris, W. D. . . . . c M 1
Morrow, R. J. . . . . sp A 1
Mulloy, J. K. . . . . M 3
Myles, E. R. . . . . M 1
Nelson, J. . . . . r s
Nelson, J. . . . . c A & M 1

Neville, R H. . . . . r s
Newler, W. . . . . L 1
Niddrie, J. G. F. . . . . gr A
Nurcombe, Miss V.T.A. Cor
O'Brien, Miss E. . . . . Cor
O'Connor, P. T. . . . . Cor
O'Connor, Miss S. J. . . L 2
O'Connor, T. J. . . . . L 3
O'Halloran, J. J. . . . . p A 2
Oliver, Miss L. . . . . sp A 1
Orobko, J. . . . . M 3
Page, Miss B. . . . . Cor
Parke. Miss G. L. c A & M 2
Parker, J. A. . . . . M 2
Paterson, A. B. . . . . L 2
Paton, J. . . . . r s
Patteson, T. E. H. . . . P 2
Pearse, H. A. . . . A & M 4
Pearson, G. H. . . . . r s
Peebles, G. P. . . . . r s
Pelluet, Miss D. . . . . A 4
Pennock, F. B. . . . A & L 4
Pentland, Miss L. G. . . . A 2
Peppard, C. M. . . . . r s
Petit, E. . . . . r s
Pickup, C. W. . . . . P 1
Piggott, W. . . . . r s
Pilon, V. C. . . . . r s
Pinsky, S. . . . . C M 1
Plummer, N. M. . . . . L 1
Poffenroth, J. C. . . . . L 3
Pollock, R. M. . . . . Ag 1
Poole, Miss M. M. . . . A 2
Porteous, Miss B. O. . . A 3
Porter, M. M. . . . . M 1
Potter, R. C. . . . . r s
Poulson, T. L. . . . . r s
Proctor, F. . . . . r s
Prosser, J. E. . . . . r s
Puffer, S. A. . . . . L 1
Pugh, R. E.. . . . . r s
Putland, A. K. . . . . sp A 2
Rankin, G. C. . . . . c M 1
Rankin, J. D. . . . . Cor
Raver, Miss H. J. . . . . A 2
Redel, W. A. . . . . M 3
Redfearn, G. . . . . r s
Rehwinkel, A. . . . . gr A
Reid, C. D. . . . . S 1
Reid, Miss H. W. . . . . A 1
Reid, Miss M. F. . . . . sp A 1
Reilly, C. F. . . . . sp S 3
Rein, Miss R. . . . . L 1
Reinhorn, C. G. . . . . M 2
Revell, J. E. . . . . c M 1
Richards, Miss G. B. . . Cor
Richards, R. . . . . S 1
Richardson, F. J. . . . . L 2
Rickards, Miss D. . . . . c A 2
Roach, Miss E. L. . . . . Cor
Robbins, L. . . . . c A 1
Roberts, H. . . . . r s
Roberts, Miss J. L. . . c A 1
Robinson, V. B. . . . . Ag 2
Ronning, N. T. . . . . gr A
Rookwood, M. . . . . A 2
Roper, F. E. . . . . r s
Rorem, Miss A. M. . . . . A 4
Rosser, D. W. . . . . r s
Roth, Miss L. F. . . . . Cor
Routledge, G. L. . . . . c M 1
Rowbotham, W. H. . . r s
Roy, Miss M. F. . . A & M 2
Roy, R. . . . . sp A 1
Rudin, L.. . . . . M 1
Russell, J. G. . . . . L 1
Russell, L. A. . . . . Cor
Rutherford, R. R. . . . . A 4
Ryan, Miss J. E. . . A & L 1
Sandin, R. B. . . . . gr A
Sanford, G. B. . . . . Ag 2
Sarvis, E. S. . . . . M 2
Sawula, S. . . . . c L 1
Sayers, J. H. . . . . L 1
Scaler, L. . . . . r s
Schade, Miss C. A. . . . . P 1
Schade, Miss E. L. . . . . A 3
Schmalz, Miss L. E. . . Cor

Scott, Miss L. M. . . . . p A 1
Scott, W. S. . . . . A 2
Seabrook, F. . . . . r s
Sereth, G. . . . . A & L 2
Service, S. F. . . . . M 2
Sewell, S. . . . . r s
Shardlow, W. A. . . . . r s
Sheard, H. . . . . r s
Shortill, J. . . . . r s
Showers, E. N. . . . . r s
Sideleau, A A. . . . . r s
Simpkin, D. B. . . . . S 2
Simpson, A . . . . . L 1
Simpson, Miss M. S. . . . A 2
Sissons, J. H. . . . . L 2
Skarin, Mrs. A. . . . . A 4
Smiley, J. W. . . . . sp A 2
Smith, E. F. . . . . Cor
Smith, Miss I. M. M. . . Cor
Smith, S. B. . . . . A & L 4
Smith, W. L. . . . . gr A
Smyth, R. C. . . . . A & M 1
Snyder, Miss N. E. . . . . c A 1
Sprung, Miss S. . . . . A 3
Squires, Miss N. . . . . Cor
Stacey, Miss D. M. . . . . c A 3
Stainton, T. J. . . . . gr A
Stalnaker, Miss R. E. . . c A 1
Standeven, G. . . . . r s
Stansfield, H. . . . . r s
Stanton, H. E. . . . . A & L 4
Steele, Miss E. M. . . c A & L 2
Steele, Miss I. M. . . . . c A 2
Stephenson, R. W. . . . . Cor
Stevens, C. S. . . . . r s
Stevens, Miss J. . . . . c M 1
Stewart, Miss G. A. . . gr A
Stewart, Miss J. M. . . c H Ec 1
Stitt, M. H. . . . . sp A 1
Stover, Miss M. S. . . . . Cor
Strong, J. M. . . . . r s
Stubbs, Miss F. L. . . . . A 4
Sulis, N. E. . . . . M 1
Suttill, J. P. . . . . gr D
Swanson, Miss A. . . . . c A 1
Talbot, Miss M. . . . . A 1
Tapp, C. T. . . . . Ag 3
Tatem, W. J. . . . . r s
Taylor, C. . . . . A & L 2
Taylor, J. . . . . r s
Terrill, Miss K. S. . . . . A 2
Teviotdale, Miss E. F. . . A 4
Tharp, Miss E. C. . . . . A 4
Thompson, G. E. . . . . M 3
Thomson, Miss G. H. . . A 4
Thurston, W. G. . . . . c M 1
Tillotson, Miss A. A. . . sp A 1
Tillotson, Miss H. B. . . . A 3
Tonks, J. C. . . . . Cor
Tookey, K. . . . . c A 1
Tran, F. . . . . r s
Trimble, Miss G. . . . . H Ec 1
Tucker, E. D. . . . . c M 1
Tufts, A. R. . . . . c M 1
Turnbull, W .C. . . c A & L 1
Turner, W. J. . . . c M & Dent 1
Vango, H. M. . . . . M 2
Verge, J. W. . . . . Cor
Wade, G. M. . . . . Cor
Wait, F. E. . . . . c M 1
Walker, J. S. . . . . r s
Wall, Miss R. S. . . . . Cor
Walton, R. A. . . . . M 3
Wannamaker, J. A. . . . c A 1
Ward, A. S. . . . . Ag 1
Ward, Miss C. C. . . . . A 1
Waters, J. . . . . r s
Watson, Miss C. B. . . . . A 4
Watson, Miss H. E. . . . . A 2
Wattes, W. H. . . . . r s
Watters, Miss A. I. . . . . L 1
Webb, H. R. . . . . S 2
Webster, D. A. C. . . . . A 1
Welch, S. A. M. . . . . A 2
Wells, Miss H. C. . . . . sp A 2
Wells, J. G. . . . . M 2
Wells, T. H. . . . . c A 3
Wershof, Miss M. J. . . . . A 1

Wershof, S. M. . . A & M 4
Whealon, Miss A. E. . . Cor
Whiteman, Miss D. F. . . A 2
Whittaker, W. C. . . . . A 2
Wice, Miss I. M. G. . . . . A 2
Wilkin, W. . . . . M 2
Williams, Miss E. . . . . c A 2
Williams, Miss R. A. . . A 2
Williams, W. A. . . . . r s
Wilson, Miss E. M. . . c M 1
Wilson, J. J. . . . . r s
Wilson, Miss M. J. . . . . M 3
Wilson, W. F. . . . . Ag 1
Wint, F. J. . . . . r s
Wiseman, W. S. . . . . r s
Wolfe, J. . . . . Cor
Wood, R. W. . . . . Ag 1
Wood, Miss R. Y. . . . . Cor
Wournell, A. W. . . . . r s
Wright, W. . . . . r s
Yampolsky, M. L. . . sp M 1
York, D. A. . . . . A 2
Young, G. F. . . . . M 2
Young, Miss M. M. . . sp A 1
Zaseybida, E. . . . . sp A 1

Final Examinations

FACULTY OF ARTS AND SCIENCES

CLASS LISTS, 1918-19.

Biology 1.

Class I. Miss Rickards. Class II. Miss Hibbard; Miss Cooke; Whittaker; Miss L. Fergusson and Miss Simpson, equal; Matthews and Miss Garrison, equal; Hollies; Miss Welch and Miss J. Hamilton, equal; Rookwood; Hollinshead and G. H. Clark, equal; Miss C. Dobry and Banks, equal; Miss Drader. Class III. Gaetz; Miss E. Williams; Miss Roy and Miss Husband, equal; Miss de Silva and Miss Fuller, equal; Miss Malcolmson; Miss Hall; Miss Bissell; Miss Cowan and Miss James, equal; E. H. Anderson.

Botany 52.

Class I. Miss Pelluet. Class II. Miss Tharp; Miss Hotson.

Botany 103.

Class I. Miss Pelluet.

Chemistry I.

Class I. Miss Grace Stewart. Class II. Dunham; Gardiner; Hollies; Miss Lila Fraser and Miss Trimble, equal; Hollinshead; Miss Dake. Class III. Rookwood; Miss Cooke and Miss Hamilton and Miss Roy, equal; Matthews; Banks; Miss L. Fergusson and Miss Pentland, equal; Miss Mitchell.

Chemistry 51.

Class II. Rutherford; Miss Helen Hotson.

Chemistry 52.

Class I. Miss Helen Hotson.

Chemisry 102.

Class I. Sandin.

English I.

Class II. Broadus; Miss Trimble and Miss Frith, equal; Miss I. McLaughlin; Miss Butchart; Charlesworth and Miss J. McQueen and Miss Wershof, equal; Miss Cashman; Webster;

I. Jones. Class III. Miss Stewart; Miss C. McQueen and Miss Gilmour and Miss Stalnaker, equal; Miss Swanson and Miss McKitrick and Miss Ryan, equal; Miss Black and Miss J. MacDonald, equal; Miss Iddings; Miss Ward; R. Barnecut; Miss Mitchell and Miss Kent, equal; Miss Roberts and Miss H. W. Reid, and Miss L. M. Fraser, equal; Davies; Miss Kingsbury; Turnbull and Miss M. Reid and Miskew and Miss Colquhoun, equal.

English II.

Class I. Miss Gardiner and Miss Giles and Jones and Miss Lawrence and Miss Williams, equal. Class II. Miss Garrison: Miss Welch; Miss Gallay; Miss Raver; Galbraith; Miss E. Steele; Gardiner; Miss Henderson; Miss Dake; Macdonald and Miss McLennan, equal; Miss Hibbard; Francis and McLeod, equal; Miss Dobry; Miss Duclos and Miss Hamilton and Hollies and Miss Rickards, equal; Davidson and Miss Jackson and Wells, equal; Davis. Class III. Miss Cain and FitzSimmons and Rockwood, equal; Hollinshead; Bruegman; Miss Malcolmson; Cobbledick; Gaetz and Moore and Miss I. Steele, equal; Bainbridge and Smiley, equal; Miss Hall; Miss Giffen and Kostash and Taylor, equal; Miss Pentland and Miss Poole, equal; Miss Cowan and Kelly and Miss C. McLaughlin, equal; Miss Fuller and Miss Terrill, equal; Miss Bissell and Miss Drader and Miss Fuog, equal; Miss James and Miss McIntosh and Miss Roy, equal; Miss Whiteman and Whittaker, equal.

English 52.

Class I. Miss Thomson; Miss Stubbs. Class II. McQueen and Miss Tharp equal; Miss Cato; McNaught and Miss Teviotdale, equal. Class III. Miss Irving; Miss Edwards and Miss Lackey, equal; Miss Craig; Miss MacLeod; Miss Hull; Sereth and Mrs. Skarin and Miss Tillotson, equal.

English 53.

Class I. Dunham. Class II. P. I. Anderson; Miss Stubbs; Miss Fergusson and Michener, equal; E. H. Anderson and Emery, equal; Miss Bremer; Miss Anderson: Miss Chrystal and Miss McFarland, equal; Miss Johnson and Miss Lackey equal. Class III. Mss Cooke and Miss Duncan and Mrs. Skarin, equal..

English 55.

Class I. Miss Thomson. Class II. Miss Teviotdale: Miss B. K. Fraser; W. M. Armstrong; McQueen. Class III. More-

combe; Miss Bremer; Miss Bowman; Miss Rorem; Miss Hollies; Miss Irving.

English 101.

Class I. Miss Thomson.

English 102.

Class III. Sr. B. McNamara.

French 31 - 32.

Class I. Miss Trimble; Miss Bakewell and Miss Dake, equal; Miss Rickards; Miss E. Steele. Class II. Miss A. Cain and Matthews and Rookwood, equal; Miss Swanson; Miss McKinnon and Miss Iddings, equal; Miss A. Tillotson and Miss P. Cain, equal; Good; Miss Cashman; Miss Stalnaker; Hollinshead and Hoover, equal; Miss Borland and Miss Drader, equal; Miss J. MacDonald; Brown; Rankin; Nelson; Menzies and Miss I. Steele and Lang, equal. Class III. Miss Mitchell and Miss Gilmour, equal; Chadsey and Miss Alexander, equal; Miss MacNab; Christensen; Miskew; Miss O. Fraser; Miss Colquhoun; Ahenakew and Jensen, equal; Hardin; Miss Parke.

French 1.

Class I. Miss I. McLaughlin; Miss T. Butchart; Miss C. M. Fraser; Miss J. McQueen; Miss Wershof. Class II. Miss M. F. Reid; Miss Gillis; Lebourveau; Miss C. McQueen and Miss Ward, equal; Miss McKitrick; Miss Kent; Putland; Miss Frith; Charlesworth and Miss Ryan and Miss Kingsbury, equal; I. Jones; Miss Black and Broadus and Miss Roberts and Webster, equal. Class III. Berman; Meneely; Ford and Manning, equal; Miss H. W. Reid; Myles; Miss L. M. Fraser and Miss Scott, equal; Chestnut.

French 3.

Class I. Miss Butchart and Miss C. M. Fraser, equal; Miss I. McLaughlin; Miss Wershof; I. Jones. Class II. Miss J. McQueen; Miss Ryan; Putland and Miss M. F. Reid and Ford, equal; Miss L. Fraser; Miss Black and Charlesworth and Webster, equal; Miss Blow and Miss Frith and Miss C. Mc Queen, equal. Class III. Clements; Miss Scott; Miss Ward; Broadus; Miss Kingsbury.

French 2.

Class I. Miss Raver; Cobbledick; Miss Garrison. Class II. Miss Giles; J. T. Jones; Miss Henderson; Bainbridge and

Miss Gardiner and Miss Hamilton, equal; E. Gardiner and Miss Jackson, equal; Michener and W. Scott, equal; Miss Lawrence; Miss Husband and Miss Blow and W. A. Kelly and Kostash, equal; Miss Gallay. Class III. Davis and Miss R. Williams, equal; Miss Dobry and Moore, equal; Miss Giffen; and Hollies, equal; G. H. Clark; Hibbard and Miss McLennan, equal; Miss Bissell and FitSimmons and Miss C. McLaughlin, equal; Miss Fuog and Miss Hibbard and F. J. Barnecut, equal; Miss Hall and Miss Johnson and M. MacLeod and P. I. Anderson, equal; Francis and Miss Whiteman, equal; Miss Simpson and Miss Fuller and York, equal; Giffen and H. J. Macdonald, equal; Miss Malcolmson and Whittaker, equal; Miss Duclos; Miss Chrystal and Miss Cowan and Miss McIntosh, equal; Miss Poole and Banks and Miss Wells, equal; Galbraith and Miss Pentland, equal; Gray and Miss Roy and Miss Welch and Miss Wice and Miss Willliams, equal.

French 4.

Class I. Miss Giles; Moore; Gardiner; Miss Gallay and Miss Raver, equal; Miss Gardiner and Miss R. Williams, equal; Miss McIntosh; M. MacLeod. Class II. Hollies and Miss Poole, equal; Miss Terrill and Miss McLennan, equal; Miss Wells; Cobbledick; Miss Hibbard and Miss Roy and Miss Welch and E. Davis, equal; R. Hibbard; Miss Hamilton; Miss Lawrence and Miss Malcolmson, equal; Miss Giffen; Galbraith; Miss Hall and Miss Garrison, equal; FitSimmons; J. T. Jones; Banks; Francis and Michener, equal; Miss Jackson andd Miss Johnson and Miss McLaughlin, equal; Miss Wice; Gray and P. I. Anderson, equal; Whittaker and Miss Whiteman, equal; Class III. Miss Duclos; W. S. Scott; H. J. Macdonald; Kotash; Miss Simpson; Miss Dobry; Miss Pentland; Bainbridge and Hustler, equal; W. A. Kelly and Miss Chrystal and Miss Cooke, equal; Miss Irving and Mahaffy, equal; Miss L. Fergusson; G. H. Clark; F. J. Barnecut, aeg.

French 51.

Class I. Miss Teviotdale; Miss Thomson. Class II. Miss Stubbs and Miss Bowman, equal; Miss Edwards; Miss Tharp; Miss MacLeod; Miss Fergusson; Miss Cato. Class III. Miss Porteous; Miss Rorem; Miss B. Fraser and Miss Anderson, equal; Miss Duncan and Miss Hollies, equal.

French 52.

Class I. Sr. B. McNamara. Class II. Sr. M. E. Mc Namara.

Geology 51.

Class I. Miss McFarland. Class II. Miss Tillotson; Miss M. Hotson; Miss Hollies; Emery; Miss B. Fraser and Miss Tharp, equal; P. I. Anderson. Class III. Miss Hull; E. H. Anderson; Wells; Miss Bakewell; Mrs. Skarin; McNaught; Miss Porteous; Miss Craig.

Geology 53.

Class I. Miss Stewart; Ronning.

Geology 54.

Class III. Gordon Clark.

Geology 55.

Class I. Rutherford; Miss Lee; Morecombe; McQueen. Class II. Miss Tevictdale; Michener; Miss Cato; Miss Edwards. Class III. Miss Bremer.

Geology 62.

Class I. Miss Stewart; Miss Peluet.

German 2.

Class I. Miss Gallay; Miss Pelluet. Class II. Rookwood; Mis Lawrence; Miss Roy; Miss Henderson. Class III. Sereth; Davidson.

German 4.

Class II. Miss Pelluet; Rookwood; Miss Lawrence; Miss Gallay; Miss Henderson. Class III. Miss Roy; Davidson; Sereth.

German 31.

Class I. A. J. Cook. Class II. Miss Fuog. Class III. Miss A. Cain; Miss P. Cain; Arkin; Miss Fuller.

German 32.

Class I. A. J. Cook. Class II. Miss Fuog; Miss A. Cain. Class III. Miss P. Cain; Miss M. Anderson, Yampolsky; Arkin.

German 52.

Class I. Miss F. Stubbs; Miss Rorem; Miss Lee. Class II. Mrs. Skarin; Miss Schade and Benke, equal.

Greek 2.

Class II. G. H. Clark.

Greek 4.

Class II. G. H. Clark.

Greek 51.

Class II. Stainton.

Hebrew 53.

Class III. Stainton.

History 1.

Class I. Miss Butchart; Miss Trimble; Miss Frith; Miss I. McLaughlin. Class II. Miss Wershof; Charlesworth; Miss Swanson; Miss Cashman and Miss Malcolmson, equal; Miss McKitrick; Miss J. MacDonald; I. Jones. Class III. Miskew; Manning; Miss Ward; Nelson; Miss Roberts; Arkin and Broadus, equal; Miss Colquhoun and W. S. Scott and Miss Stalnaker and Webster, equal; Miss Kent; Ford and Jensen and Miss Ryan and Miss Stewart, equal; Giffen and Miss Gilmour and Miss C. McQueen and Miss Simpson and Zaseybida, equal; Davies.

History 2.

Class I. Miss Garrison and Miss Lawrence, equal; Miss Giles and Miss R. Williams, equal; Miss F. Stubbs; Cobbledick and M. MacLeod equal. Class II. Davidson; Miss Gallay; Miss Jackson and FitzSimmons, equal; Miss C. McLaughlin; G. Moore and C. Taylor, equal; Miss Gardiner; Miss Raver; J. T. Jones; Miss Poole and Futland, equal; Miss Hibbard; Miss Terrill. Class III. H. J. MacDonald; Miss Fuog and W. A. Kelly, equal; Miss K. Fergusson; Miss Dobry and Miss Welch, equal; Miss Henderson; Miss Blow; Miss Kelly; Miss Bissell and Miss James, equal; Miss Whiteman; S. Bainbridge; Miss McIntosh; Miss Johnson.

History 56.

Class I. Miss Thomson and Harvey, equal; Michener; Rehwinkel. Class II. Miss Tharp and Emery, equal; Galbraith; E. H. Anderson; Miss C. McFarland; Miss U. Cain and Miss L. MacLeod, equal. Class III. Miss Lackey; Miss E. Steele; Miss Bremer; Miss Rorem.

History 58.

Class I. Dunham; Harvey; Stanton. Class II. Mc Naught; Miss B. Fraser and Michener, equal; S. B. Smith; Rehwinkel; G. H. Clark and Emery, equal. Class III. Miss Chrystal; Miss Craig; Pennock; Miss Hollies and Miss Hull,

equal.

History 61.

Class II. Armstrong; Miss Bowman; Miss Hollies and Stainton, equal; W. L. Smith.

History 62.

Class I. Cook; Morecombe. Class II. P. I. Anderson; W. M. Armstrong; Galbraith; Sereth; Wells. Class III. Miss H. Hotson; Miss Irving and Miss Bakewell, equal.

History 102.

Class I. Harvey.

Household Economics 51.

Class I. Miss Stubbs and Miss McKinnon, equal; Class II. Miss M. Hotson and Miss MacLeod, equal; Miss Johnson and Miss H. Tillotson, equal; Miss Henderson; Miss Craig and Miss E. Anderson and Miss E. Schade, equal; Miss Lackey; Miss Chrystal; and Miss Duncan and Miss K. Fergusson, equal.

Latin 31.

Class I. M. MacLeod; Kostash. Class II. Matthews; Miss Roberts; Miss E. Steele; D. A. MacLeod; Miss A. Cain and Good, equal; Miss Dobry. Class III. Hollinshead; Miss I. Steele; Miss P. Cain and Nelson and Miss Scott, equal; Miss Borland and Miss Gilmour and Miss McKitrick, equal; Miss Macdonald; Bell; FitzSimmons and Gaetz, equal; Miss Cashman; Davies and Wait, equal; Miss James and Meneely, equal; Tufts. Matriculation Standing: Miss E. Williams; Miss Alexander and Miss Ward, equal; Manning; Menzies and Morris, equal; Miss Iddings and Pinsky, equal; Brown and Miss Colquhoun, equal; Craig and Miss O. D. Fraser, equal; Miss Husband and Miss Kent, equal; Miss Anderson and Miss Grimmett and Jensen and Yampolsky, equal.

Latin 32.

Class I. M. MacLeod. Class II. Good and Matthews, equal; FitzSimmons; Miss Dobry; Kostash. Class III. Miss Roberts; Gaetz; Miss E. Steele; Hollinshead.

Latin I.

Class I. Miss Butchart. Class II. Miss I. McLaughlin and Miss Wershof, equal; Miss Swanson; Miss Stalnaker; Charlesworth; Miss Frith and I. Jones, equal; Miss Malcolmson; Whittaker. Class III. Broadus; Miss Young and Webster, equal; Miss Giffen; Miss Irving; Miss Poole; Miss

Duncan; Miss Dake; Putland; Miss Blow and Miss J. McQueen equal; Smyth.

Latin 3.

Class I. Miss Butchart. Class II. Miss I. McLaughlin and Miss Wershof, equal; Miss J. McQueen; Miss Poole. Class III. Miss Stalnaker; Miss Malcolmson; Miss Frith; Broadus and Miss Giffen and Miss Swanson and Miss Young, equal; I. Jones and Putland and Miss Wice, equal; Miss Dake and Charlesworth, equal; Miss Black and Miss Irving and Smyth and Turnbull and Webster equal.

Latin 2.

Class I. Miss Giles; Miss Garrison; G. L. Moore; Miss Gardiner and Miss Gallay, equal. Class II. McQueen; Miss R. Williams; Miss Raver and E. Gardiner, equal; Miss Poole; H. J. Macdonald and J. T. Jones, equal; Miss Welch and Miss Hibbard, equal; Cobbledick. Class III. Miss C. McLaughlin and Rutherford and Miss Terrill, equal; E. Davis; Hollies; Miss Pentland; W. A. Kelly; Miss Jackson; Miss Hamilton; Miss Craig and Miss McLennan, equal; Miss Bremer.

Latin 4.

Class I. Miss Giles; Moore and Cobbledick, equal. Class II. Miss Gallay and Miss Raver and Hollies, equal; Miss Garrison and McQueen, equal; Miss R. Williams; J. T. Jones and Miss Gardiner, equal; Rutherford. Class III. Miss C. McLaughlin; E. Davis and H. J. Macdonald and Miss Hibbard, equal; W. A. Kelly; Miss Poole; Miss Jackson; Miss McIntosh; Miss Pentland and Miss McLennan and Miss Bremer, equal;

Latin 56.

Class I. Miss Cain and Thomson, equal; Dunham. Class II. Miss Edwards; Miss Bowman and Sr. McNamara and Niddrie, equal. Class III. Miss Porteous.

Mathematics 1.

Class I. Charlesworth; Miss McKitrick; Burgess. Class II. Miss C. M. Fraser; Miss Wershof; Broadus; Miss Kent; Miss J. McQueen and Miss Swanson and Miss Young, equal; Miss Garrison and Webster, equal; Miss Gilmour and Miss J. MacDonald, equal; Cameron; Kirkpatrick; Miss Jackson; Miss I. McLaughlin; J. Jones; G. Moore. Class III. Miss C. McQueen; Miss James; Miss Black and Lebourveau, equal; Mis-

kew; Wannamaker; Miss Kingsbury; Miss Duclos and Goshko, equal; Miss M. Anderson and Ford, equal; Miss Stalnaker and Cleland, equal; Jensen; Miss Iddings and Davies and York and Miss H. Reid and Miss Kelly, equal; Miss Keith.

Mathematics 7.

Class I. Gardiner; Miss Butchart; Davidson. Class II. Miss Gardiner; Gray; Broadus; Miss McKitrick; Miss Pentland. Class III. Miss A. R. Cain; Miss E. Steele; Miss Rickards and Miss Whiteman, equal.

Mathematics 51.

Class I. Davidson; Miss McFarland. Class II. Miss Pentland; Miss McLennan; Miss Giffen. Class III. Gray; Miss Johnson.

Mathematics 52.

Class I. Miss R. Cain. Class II. Miss Lee; Lehmann.

Mathematics 101.

Class I. A. J. Cook.

Philosophy 1.

Class I. Miss Jackson; Miss Lawrence; Miss Garrison and Miss Giles, equal; Class II. Miss Raver; Cobbledick and G. Moore, equal; Miss Gallay; Miss R. Williams; Putland; Miss McLennan and Miss Hibbard, equal. Class III. Miss C. McLaughlin; Bainbridge; Miss Dake and Macdonald, equal; Miss McIntosh; Kelly; J. T. Jones; Miss Fuller; Miss Blow and Miss Malcolmson and Miss Poole and Miss Simpson and Miss Wice and Bruegman and Francis and Zaseybida, equal; F. J. Barnecut, aeg.

Philosophy 51.

Class I. Niddrie; Miss H. Tillotson and Hustler, equal. Class II. Miss Henderson and McNaught, equal; Galbraith; Miss Hull; FitzSimmons; E. H. Anderson; G. H. Clark and Wells, equal. Class III. Miss Cowan.

Philosophy 52.

Class I. McQueen and Anderson, equal. Class II. Morecombe; Stainton; Miss Cato; Armstrong. Class III. Miss Irving.

Physics 1.

Class I. Miss Butchart; Broadus, Burgess and Charlesworth, equal; Class II. Miss Young; Webster; Miss I. Mc-

Laughlin and Wannamaker and Miss Wershof, equal. Class III. Miskew; Miss J. McQueen; Miss Cashman; Jensen; Kirkpatrick and Lebourveau, equal; Miss McKitrick; I. Jones; Cameron and Miss Gilmour and Miss Ward, equal; Davies and Hardin and Miss Kingsbury and Miss Swanson, equal.

Physics 2.

Class I. Charlesworth; Broadus; Miss Kent. Class II. Jensen; Miss Whiteman; Morrow and Miss Parke, equal; Stitt; Nelson. Class III. Miss Hamilton; Smyth.

Physics 3.

Class I. Miss Giffen. Class II. Francis; Miss McLennan. Class III. Miss Fuog; Miss E. Cooke; Miss I. Steele; Einarson; Cleland.

Physics 4.

Class II. Miss McLennan. Class III. Francis; Miss E. Cooke and Miss Giffen, equal.

Physics 5.

Class I. Miss McLennan; Reid. Class II. Kostash; Barnecut; Carmichael and Jarrett, equal; Fracis; Miss Cooke; Cleland; Hunter; I. Jones; Hardin; Giffen; Miss I. Steele; Miss Giffen. Class III. Miss Fuog; Gidman; Richards; Goshko.

Physics 6.

Class I. Dunham; Miss Lee; Lehmann. Class II. Miss R. Cain.

Physics 7.

Class II. Lehmann; Miss R.. Cain and Dunham, equal; Miss Lee.

Physics 8.

Class I. Miss H. Hotson.

Physics 9.

Class I. Miss H. Hotson.

Physical Education, Women.

Class I. Miss Lawrence. Class II. Miss Butchart; Miss Cashman; Miss Colquhoun; Miss Dobry; Miss Duclos; Miss L. Fergusson; Miss O. Fraser; Miss J. Hamilton; Miss Jackson; Miss James; Miss Q. Kelly; Miss Kent; Miss McIntosh; Miss C. McLaughlin; Miss McLennan; Miss C. McQueen; Miss J.

McQueen; Miss Malcolmson; Miss Pentland; Miss Poole; Miss Ryan; Miss Stalnaker; Miss Wershof; Miss R. Williams. Class III. Miss Alexander; Miss Black; Miss Blow; Miss A. Cain; Miss P. Cain; Miss Clarke; Miss Dake; Miss Drader; Miss Erskine; Miss L. Fraser; Miss Fuog; Miss Gallay; Miss Gardiner; Miss Garrison; Miss Giffen; Miss Gillis; Miss Gilmour; Miss Grimmett; Miss Hall; Miss Hammer; Miss Hibbard; Miss H. Hotson; Miss Husband; Miss Iddings; Miss MacDonald; Miss McKinnon; Miss McKitrick; Mis I. Mc. Laughlin; Miss Parke; Miss Raver; Miss Rickards; Miss Roberts; Miss C. Schade; Miss Simpson; Miss E. Steele; Miss I. Steele; Miss Swanson; Miss D Tillotson; Miss Terrill; Miss Trimble; Miss Welch; Miss Whiteman; Miss Wice; Miss Bissell; Miss Borland; Miss Cowan; Miss Fuller; Miss Giles; Miss Holmes; Miss McNab; Miss Mitchell; Mrs. Graham; Miss Stevens.

FACULTY OF MEDICINE

Anatomy 1.

Class I. Parker. Class II. Pearse; Miller and Wilkin, equal; Chesney; Young and Wershof, equal; Grimmett and Misss Holmes, equal; Service and Wells, equal; Cooper and Mayer, equal; Miss McLean; Brodie. Class III. Emery; Jackson; Gundesen; German.

Anatomy 2.

Class I. Parker, Mayer; Pearse; Chesney. Class II. Jackson; Gundesen and Young, equal; Emery and Wells, equal; Miller; Miss Holmes; Wilkin; Miss McLean; Grimmett; Wershof. Class III. Service; Brodie; Cooper.

Anatomy 10.

Class II. Chesney and Jackson, equal; Pearse; Mayer; Grimmett; Cooper and Miss Holmes and Wershof, equal; Young; Brodie and Emery and Gundesen, and Miller and Wells and Wilkin, equal. Class III. Miss McLean; Service.

Anatomy 12.

Class I. Pearse. Class II. Miss Holmes and Mayer, equal; Chesney and Gundesen and Miller, equal; Jackson; Wilkin and Young, equal; Wells; Grimmett and Wershof, equal; Parker; Emery and Service, equal; Brodie. Class III. Miss McLean; Cooper.

Anatomy 14.

Class I. Pearse. Class II. Jackson; Wilkin and Young, equal; Wells; Wershof; Miss Holmes; Miller; Mayer; Service; Brodie and Emery, equal; Chesney and Gundesen, equal. Class III. Miss McLean.

Anatomy 53.

Class I. Orobko; Miss Wilson; Redel. Class II. McKee; Field and Thompson, equal; Fish; Caldwell; Dorrance; McBride; Mulloy; Corbett; Miss Mooney.

Anatomy 54.

Class I. Orobko. Class II. Thompson and Miss Wilson, equal; McKee; Fish; Miss Mooney; Caldwell; McBrde; Dorrance. Class III. Mulloy; Field; Corbett.

Anatomy 60.

Class I. Orobko; Thompson and Miss Wilson, equal. Class II. Dorrance; McKee; Caldwell; Fish; Mulloy; Field; McBride; Miss Mooney.

Bacteriology 1.

Class I. German. Class II. Pearsse; Jackson; MacKay; Wershof; Young; Grimmett; Wilkin and Mayer and Parker, equal; Emery and Miss Holmes, equal; Miss Marjorie Hotson; Service and Wells, equal; Chesney; Gundesen. Class III. Mulloy and Miller, equal; Miss McKinnon; Brodie and Miss McLean, equal; Cooper.

Bacteriology 51.

Class I. Orobko. Class II. McBride; Sandin; Caldwell; Mulloy; Feld; McKee and Thompson, equal. Class III. Dorrance and Fish and Miss Mooney, equal; Miss Wilson and Corbett, equal.

Biology 2.

Class II. Miss Gillis; Turner; Meneely, and Hibbard, equal; Harrison; MacKay and Tufts and Lang, equal; Craig; Hoover; Thurston; Sulis. Class III. Ahenakew; Wait; Dyer; Melling and Berman, equal; Rudin and Hamman, equal; Rankin; D. A. McLeod; Bell; Routledge and Christensen, equal; Kemp; Kruger and Chestnut, equal.

Chemistry 2.

Class I. Dyer. Class II. Tufts; Hibbard and Hoover, equal; Sullis; Wait. Class III. Meneely; Harrison and Tur-

ner, equal; Bell; Miss Grimmett and Rankin, equal; Melling; Thurston and Miss Gillis, equal;; Hamman and D. A. McLeod, equal; Berman and Christensen, equal; Chestnut and Kruger and Lang and Rudin and Miss Stevens, equal; Kemp and Myles and Revell, equal; K. Craig.

Chemistry 3.

Class I. MacKay; Dyer; Hibbard. Class II. Sulis; Hoover; Grimmett and Rudin, equal; Kruger and Melling, equal; Hamman; D. A. McLeod; Meneely; Wait; Chestnut. Class III. Thurston; Miss Grimmett and Harrison, equal; Tufts; K. Craig; Berman; McRae and Turner, equal; Miss Gillis and Myles and Masciuch and Pinsky, equal.

Materia Medica 3.

Class I. Mayer. Class II. Pearse; Emery and Wershof, equal. Class III. Young; Chesney; Parker; Brodie and Thompson, equal; Miss Holmes and Jackson and Wells and Wilkin, equal.

Pathology 51..

Class I. Orobko. Class II. Miss Wilson; Mulloy; Caldwell; Dorrance and Thompson, equal; Field and McKee, equal; Miss Mooney; McBride. Class III. Fish; Corbett.

Pathology 52.

Class II. Orobko; Mulloy; Caldwell; Dorrance; Thompson; Field; Miss Wilson; Miss Mooney; Fish; Corbett. Class III. McKee; McBride.

Pharmacy 3.

Class I. Caldwell; Orobko. Class II. McKee; Field; Miss Wilson; Fish. Class III. Thompson; McBride; Miss Mooney; Corbett; Mulloy.

Pharmacology 51.

Class II. Orobko; Mulloy; McBride; McKee; Thompson; Field; Miss Wilson; Caldwell; Miss Mooney. Class III. Dorrance; Corbett; Fish.

Physics 1.

Class II. Berman; Wait; Melling and Sulis, equal; Rudin. Class III. Myles; Mss Gillis; Revell; Rankin and Thurston, equal; Ahenakew; Christensen; Routledge; Masciuch and Turner and Miss Grimmett, equal.

Physics 2.

Class I. Hoover; Meneely. Class II. Hibbard; Berman and Craig and Dyer, equal; Harrison and Menzies, equal; Christensen; Ahenakew and Mss Gillis and Kemp and Kruger and Sulis, equal; McLeod and Routledge, equal; Brown; Thurston and Wait, equal; Pinsky and Tufts, equal; Hamman and Lang, equal. Class III. Rudin; Melling; Chestnut and Turner, equal; Miss Stevens; Rankin; Miss Grimmett; Myles; Revell; Miss Wilson; Morris; Miss Clarke; Masciuch; McRae.

Physiology I.

Class I. Parker. Class II. Jackson; Wershof; Mayer; Pearse and Grimmett, equal; Miller; Brodie; Young; Miss Holmes; Service and Gundesen, equal; Wilkin and Miss McLean and Chesney, equal. Class III. Emery; Wells.

Physiology 2.

Class I. Mayer. Class II. Parker; Jackson, Pearse and Wershof, equal; Miller; Emery; Young and Mulloy, equal; Chesney; Brodie and Grimmett and Wells, and Wilkin, equal. Class III. Miss Holmes; Gundesen; Service; Cooper; Miss McLean.

Physiology 51.

Class II. Orobko; Caldwell and Mulloy, equal; Thompson; McBride and Dorrance, equal. Class III. Field; McKee; Miss Mooney and Miss Wilson, equal; Fish and Corbett, equal.

Physiology 52.

Class II. Orobko; Mulloy; Corbett; McBride and Caldwell, equal; Miss Wilson and Thompson, equal; McKee. Class III. Dorrance; Field, Fish; Miss Mooney.

Psychology 53.

Class I. Caldwell; Orobko and Mulloy, equal. Class II. Field; McBride; Miss Mooney. Class III. Miss Wilson; Thompson; Corbett; Dorrance and Fish, equal.

Surgery 51.

Class I. Thompson; Orobko and McBride, equal. Class II. Dorrance; Caldwell; McKee; Mulloy and Miss Wilson, equal; Miss Mooney. Class III. Field; Fish; Corbett.

Zoology I.

Class II. Meneely; Hibbard; Pearse; Hoover; Berman and Miller, equal; Dyer; Miss Holmes and Gundesen and

Hollies and MacKay, equal; Tufts; Miss McLean and Myles, equal; Miss Roy; Lang; Harrison; Miss Gillis. Class III. Craig and Kruger and D. A. McLeod and Wait, equal; Menzies and Sulis, equal; Dorrance ; Mayer and Brown and Melling, equal; Chestnut; Chesney and Wilkin and Rudin, equal; Brodie; Cooper and Ahenakew and Bell and Christensen and Hamman, equal; German and Miss Wilson, equal; Miss Hamilton; Routledge; Banks and MacRae and Rankin, equal; Kemp and Revell, equal.

SCHOOL OF PHARMACY

Botany 3.
Class III. Patteson; Miss C. Schade; McClellan and Martin and Pickup, equal.

Chemistry 2.
Class II. Pickup. Class III. McGillivray; McClellan and Martin, equal.

Chemistry 3.
Class II. Pickup. Class III. Patteson; Martin; McClellan and McGillivray, equal.

Latin 36.
Class II. Pickup. Class III. Patteson; McClellan and Martin, equal; Miss Schade.

Materia Medica 1.
Class II. McGillivray. Class III. Martin; McClellan; Dale.

Mathematics 36.
Class III. Patteson; Pickup; McClellan; Miss Schade; Martin.

Pharmacy 1.
Class II. McGillivray. Class III. McClellan; Martin.

Pharmacy 2..
Class II. McClellan. Class III. Martin; McGillivray.

Physics 1.
Class III. Pickup.

Physics 2.
Class II. Miss Schade; Pickup; Patteson.

FACULTY OF APPLIED SCIENCE

Architecture 1.
Class II. Giffen.

Architecture 4.
Class III. Giffen.

Chemistry 1.
Class III. Simpkin; Webb; Jaffary; Donaldson, aeg.

Chemistry 55.
Class II. Chas. Reilly.

C.E. 1.
Class II. Webb; Jaffary; Simpkin; Donaldson, aeg.

C.E. 2.
Class II. Donaldson; Webb; Jaffary and Simpkin, equal.

C.E. 3.
Class II. Webb; Donaldson; Simpkin; Jaffary. Class III. Jarrett.

C.E. 4.
Class II. Webb; Jaffary. Class III. Simpkin; Donaldson, aeg.

C.E. 5.
Class III. Jaffary; Webb; Simpkin; Donaldson, aeg.

C.E. 6.
Class I. Bryden and Carmichael and Cameron and Reid, equal; Barnecut. Class II. Giffen and Jarrett and Jones and Richards, equal; Gidman and Hunter, equal.

C.E. 7.
Class I. Donaldson and Webb, equal; Jaffary. Class II. Simpkin.

C.E. 70.
Class I. Chas. Reilly.

Drawing 2.
Class I. C. D. Reid. Class II. Lebourveau; Kirkpatrick; R. Barnecut; J. A. Cameron; Cleland. Class III. Kostash; Carmichael; Goshko; Burgess and Hunter, equal; Richards; Hardin; Gidman and Jones, equal.

Drawing 3.

Class I. Kirkpatrick and Reid, equal. Class II. Lebourveau; R. Barnecut; J. A. Cameron; Cleland; Kostash. Class III. Goshko; Burgess and Carmichael, equal; Jones; Gidman; Hunter; Richards.

Drawing 4.

Class II. Reid; Burgess; Kostash. Class III. Lebourveau; R. Barnecut; Kirkpatrick; Cleland; Carmichael; Jones; Richards, aeg.

Drawing 5.

Class I. Webb; Simpkin. Class II. Jarrett; Donaldson; Jaffary.

Mathematics 2A.

Class II. Cameron; Wannamaker. Class III. Jones, Hunter, Miskew and Lebourveau, equal; Burgess; Miss J. E. McDonald; Kirkpatrick; Cleland.

Mathematics 3.

Class II. Reid. Class III. Jarrett; Carmichael; Richards.

Mathematics 4.

Class I. Reid. Class II. Jarrett; Giffen; Carmichael. Class III. Richards; Barnecut; Jones.

Mathematics 5.

Class II. Reid. Class III. Jarrett; Barnecut; Richards.

Mathematics 6.

Class II. Jarrett; Reid; Carmichael; Gidman; Richards. Class III. Jones; Hunter; Barnecut.

Mathematics 8.

Class II. Reid; Jarrett. Class III. Carmichael.

Mathematics 9.

Class III. Simpkin; Webb; Jaffary; Donaldson, aeg.

Mathematics 11.

Class III. Jaffary; Simpkin; Webb; Donaldson, aeg.

Physics 3.

Class II. Reid; Jarrett; Barnecut; Giffen. Class III. Hunter; Carmichael; Richards; Jones.

Physics 4.

Class II. Reid; Jarrett; Kostash. Class III. Carmichael and Cleland, equal; Barnecut.

Physics 5.

Class I. Reid. Class II. Barnecut; Carmichael and Jarrett, equal; Hunter; Jones; Giffen; Gidman; Richards.

Physics 6.

Class II. Simpkin; Webb. Class III. Jaffary; Donaldson, aeg.

Physics 7.

Class II. Donaldson; Webb; Jaffary and Simpkin, equal.

FACULTY OF AGRICULTURE

Animal Husbandry 1.

Class II. Buckingham; Wilson and McArthur, equal; Doughty. Class III. McAllister; Ward; Moore and Elvidge, equal; Hunter; Wood; Barnes, aeg.

Animal Husbandry 2.

Class II. Martin; Sanford; Jacobson. Class III. Gratz; Buckley; Robinson.

Animal Husbandry 3.

Class II. Martin; Jacobson; Sanford. Class III. Robinson; Gratz; Buckley.

Animal Husbandry 51.

Class I. Flack. Class II. Fleming. Class III. Tapp; Hagerman.

Animal Husbandry 52.

Class II. Flack; Fleming; Hagerman. Class III. Tapp.

Animal Husbandry 54.

Class I. Flack. Class II. Fleming. Class III. Tapp; Hagerman.

Bacteriology 2.

Class II. Buckley and Martin ,equal; Jacobson and Sanford, equal; Robinson; Pollock. Class III. Gratz.

Bacteriology 52.

Class II. Fleming; Tapp; Flack and Hagerman, equal.

Botany 3.

Class II. Buckingham; Doughty; McAllister and Ward, equal; McArthur. Class III. Pollock; Moore; Hunter; Wood; Barnes and Dunlop, aeg.

Chemistry 1.

Class II. Hunter; Buckingham. Class III. Doughty and Ward, equal; McAllister; Pollock and Bryant, equal; McArthur and Wilson, equal; Barnes and Dunlop, aeg.

Chemistry 4.

Class II. Martin; Jacobson; Sanford. Class III. Robinson; Buckley; Bell.

Chemistry 52. Class II. Miss L. Fraser (practical work only). Class III. Miss McKinnon.

Chemistry 57.

Class II. Fleming. Class III. Flack; Hagerman; Tapp.

English 1.

Class II. Buckingham; McAllister. Class III. Hunter; Ward and Doughty, equal; Moore; Dunlop, aeg.

English 3.

Class II. Buckley. Class III. Robinson; Jacobson; Sanford; Martin.

English 54.

Class II. Fleming; Flack. Class III. Tapp; Hagerman.

Field Husbandry 1.

Class I. Buckingham. Class II. Doughty; Moore; McArthur and McAllister, equal; Hunter; Wilson; Elvidge; Wood. Class III. Ward; Barnes and Dunlop, aeg.

Field Husbandry 2.

Class I. Sanford. Class II. Martin; Jacobson and Gratz, equal; Robinson; Buckley.

Field Husbandry 51.

Class I. Fleming. Class II. Flack; Tapp. Class III. Hagerman.

Field Husbandry 52.

Class II. Fleming; Flack. Class III. Hagerman; Tapp.

Field Husbandry 53.

Class I. Fleming; Flack. Class II. Tapp; Hagerman.

Geology 31.

Class I. Buckingham. Class II. Doughty; Wood; Moore; McAllister; Barnes; Hunter; Wilson; Ward. Class III. McArthur; Dunlop, aeg.

History of Agriculture.

Class I. Fleming. Class II. Hagerman; Flack; Tapp.

Horticulture 1.

Class II. Buckley; Robinson; Martin; Sanford. Class III. Jacobson; Gratz.

Household Economics 1.

Class I. Miss Trimble. Class III. Miss McKinnon; Miss Fraser.

Mathematics 31.

Class I. Miss Trimble; Doughty; Hunter. Class II. Moore; Wood; Miss Fraser and McAllister, equal; Buckingham; McArthur; Miss Erskine; Miss Stewart. Class III. Ward and Wilson, equal; Miss Hammer; Elvidge; Barnes and Dunlop, aeg.

Mathematics 33.

Class II. Buckley; Martin. Class III. Sanford; Jacobson and Robinson, equal; Gratz.

Physics 1.

Class III. Miss Mitchell; Miss Fraser.

Physics 2.

Class II. Miss Erskine; Miss Mitchell. Class III. Miss Fraser; Miss Stewart.

Physics 31.

Class I. Miss Trimble. Class II. Hunter; Moore; McAllister; Doughty. Class III. Buckingham; Wood; McArthur; Ward; Miss Hammer and Wilson, equal; Barnes and Dunlop, aegrotat.

Soils 1.

Classs II. Sanford; Jacobson and Robinson, equal; Buckley; Martin. Class III. Pollock; Gratz.

Veterinary Science 1.

Class II. Robinson; Maritn and Sanford, equal; Jacobson. Class III. Buckley; Gratz.

Veterinary Science 51.

Class II. Fleming; Flack. Class III. Hagerman; Tapp.

B.D. SUBJECTS.

Apologetics (Psychology of Religion).
Class II. Suttill.

New Testament Language and Literature.
Class II. Ratcliffe.

New Testament Pauline Literature (Corinthians).
Class II. Suttill.

Old Testament Theology.
Class I. Lonsdale.

Sociology.
Class I. MacDonald. Class II. Suttill.

SCHOLARSHIPS

The Women's University Club Scholarship.

For Women in the first year of the Faculty of Arts and Sciences:
Thelma Victoria Butchart.

Scholarships in the Faculty of Medicine offered by the College of Physicians and Surgeons of the Province of Alberta.

First Year—General Proficiency: Rodger James Hibbard.
Third year—Physiology: John Orobko.
Third year—Anatomy: John Orobko.

PRIZES

The Jane Alexander Memorial Prizes:

In Latin: Mabel Christena Giles and George Gerald Logan Moore, equal. Honourable Mention: Thelma Victoria Butchart.

In Geology: Constance McFarland.

The Bennett Prize:

First: Daphne Garrison and Alan Burnside Harvey, equal.
Second: Daniel Roland Michener.

Prize in Botany:

(Not awarded.)

The Gordon Stanley Fife Memorial Prize:

In History: Alan Burnside Harvey.

The Harold Waldo Huestis Memorial Prize:

In English: John Thomas Jones.

Prize in the History of Medicine:

(To be awarded in September.)

MEDALS

The Governor General's Medal:

Faculty of Agriculture: William Melvin Fleming.

The Lieutenant-Governor's Gold Medal for the Study of Shakespeare:

Eleanor Mary Bremer.

The Charles Allan Stuart Gold Medal in Classics:

(Not awarded.)

The Alexander Cameron Rutherford Gold Medal in English:
Georgina Helen Thomson.

The Women's University Club Gold Medal:

For Proficiency in the Faculty of Arts and Sciences:

Frances Lovella Stubbs.

The Chief Justice's Gold Medal in Law:

(Not awarded.)

FELLOWSHIP

The Lloyd Hartnoll Bishop Memorial Fellowship in English Literature:

(Not awarded.)

CONFERRING OF DEGREES

Admitted to the Degree of Bachelor of Arts:

Cain, Ruby Utah.
Cato, Eleanor Marion.
Edwards, Helen Stewart.
Hollies, Mary Kathleen.
Lackey, Mary.
MacLeod, Annie Louise.
Rorem, Adelia Myrtle.
Skarin, Ada.
Stubbs, Frances Lovella.
Teviotdale, Elizabeth Fleming.
Tharp, Edna Catherine.
Thomson, Georgina Helen, (with first rank honours in English)
Anderson, Palmer Ingvald.
Harvey, Alan Burnside, (with first rank honours in History)
McQueen, Robert.
Morecombe, Percy Frederick.
Pearse, Harry Albridge.
Pennock, Frederick Brock.
Smith, Sidney Bruce.
Stanton, Hugh Ellsworth.
Wershof, Stanley Mendel.

Admitted to the Degree of Bachelor of Arts, ad eundem:

Lang, Hector.
Niddrie, John George Francis.

Admitted to the Degree of Bachelor of Science in Arts:

Lee, Vera Verna.
Hotson, Marjorie Hall.
Pelluet, Dixie, (with first rank honors in History.)
Rutherford, Ralph Leslie.

Admitted to the Degree of Bachelor of Science in Engineering, ad eundem:

Haddow, Albert Walker, B.Sc.

Admitted to the Degree of Bachelor of Science in Agriculture:

Bell, Norman Frederick.
Flack, Gordon Lewis.
Fleming, William Melvin.
Hagerman, Thomas Hanbidge.
Tapp, Cecil Thomas.

Admitted to the Degree of Bachelor of Laws:

Hillocks, Samuel Bacon.
Möller, Charles Clement, B.A.

Admitted to the Degree of Doctor of Dental Surgery:

Stillman, Rena Belle.

Admitted to the Degree of Doctor of Divinity:

McDonald, Neil Douglas.
Suttill, John Pickard, M.A.

Admitted to the Degree of Master of Arts:

Bowman, Miriam Lois, B.A.
Rehwinkel, Alfred, B.A., B.D.
Stainton, Thomas John, B.A.
Sandin, Reuben Benjaimin, B. A.

Admitted to the Degree of Doctor of Medicine, ad eundem:

Leonard, Samuel Cecil.

Original Members of the Class of 1919 whose enlistment has prevented graduation with their year:

*Anglin, John Crawford.
Arthur, John Stewart.
Bainbridge, Sidney.
Black, Donald McIntosh.
Boyle, Hubert Allan.
Cameron, Robert A.
Dickens, Clennell.
*Donald, Arthur William.
Douglas, Robert Gordon.
Ferguson, George Victor.
Fife, Jack Keith.
Francis, Samuel Augustus M.
*Gibson, Ralph M.
Hillerud, Sylvan Oswald.
Houghton, Albert Victor.
*Hummell, Arthur M.
Jackson, Robert Frederick.
King, Fred Beverly.
Knudson, Roy Greene.
McBride, Clifford Dawson.
McClung, Jack.
McDougall, James Clare.
Mason, Walter G.
Mulloy, John Knox.
*Murray, Karl.
Musto, Thomas.
O'Brien, Mello John.
Ogston, Alex.
Peterson, Walter M.
Robertson, Douglas Mills.
Saunders, Walter Gordon.
Smith, Francis Clyde.
Snider, Edward C.
Stewart, Wlfred Carroll.
Tempest, Frank.
*Turner, William S.
Wilson, Frederick Ernest.
Wood, Sydney.
York, Douglas Archibald.

*Died on Active Service.

Since Convocation 1918, the following persons have passed the examinations for License to Practise conducted by the Unversity on behalf of the Affiliated Professional Societies:

In May, 1918.

Accountancy.

Gemmell, R. H. G.
Hill, Thomas P.
Ireland, William.
Irwin, A. I.
Moss, A.
Reid, S. R.
Stevens, A. F.

Law:

Brockington, L. W.
Bryenton, P. R.
Hillocks, S. B.
Randall, T. H.
Sanford, P. L.
Spankie, H. L.
Boness, O. C.
Möller, C. C.
Shortreed, W. J.

Dentistry:

Gilchrist, M. R.
Humeston, F. L.

Medicine:

Cringan, L. W.
Oakley, G.
Stewart, F. J.

In September, 1918.

Dentistry:

Barker, H. P.
Kennedy, E.
Lockwood, H. H.
Sloan, O. H.
Skinner, T. A.

Medicine:

McCharles, D. N.

Osteopathy:

Roe, E. A.

In January, 1919.

Land Surveying:

Alexander, John Bentley.
Burchnall, Ralph Parker.
Norrish, Wm. Henry.

Pharmacy:

Bricker, I. C.
Gourlay, H. A.

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